CONSTRUCTION NEWS

Engineering News-Record, August 9, 1923

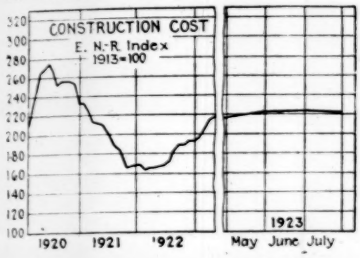
The Construction Barometer

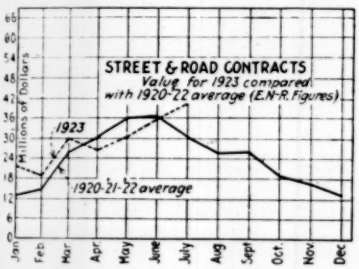
Drop in Volume of Construction—Cost Lower—Fewer Building Awards

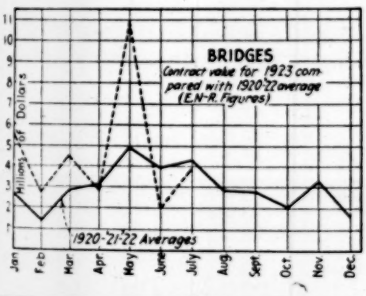
THE increase in money value of contracts awarded on bridges, streets and roads, during July, was offset by the slump in industrial and commercial building to the extent of causing a drop in the volume of construction, as shown by the charts.

Seasonal dullness, over-production of certain commodities, and a falling off in demand combine to form the present "slowing down" influence so noticeable in general trade activities.

The slight downward trend in construction cost, as indicated by the *E. N.-R.* Index Number, has not served to stem the weekly falling off in contracts awarded, neither has it induced the buyer to relinquish his present hand-to-mouth policy in the purchasing of basic materials.







E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
July 19	$14,514,000	$18,552,000	$33,066,000
July 26	23,772,000	13,340,000	37,112,000
Aug 2	17,362,000	8 888,000	26,250,000
3 Weeks	$55,648,000	$40,780,000	$96,428,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

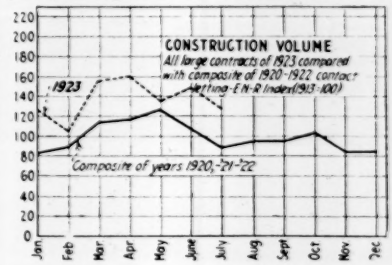
Week Ended	Public No.	Public Work	Private No.	Private Work
July 19	12	$4,681,000	34	$13,523,000
July 26	13	3,808,000	18	8,285,000
Aug. 2	10	3,703,000	19	6,691,000
3 weeks	35	$12,192,000	71	$28,499,000

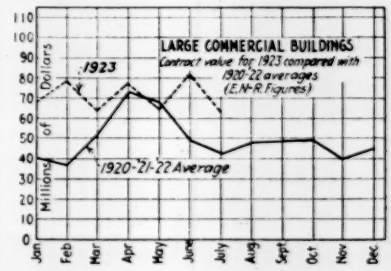
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

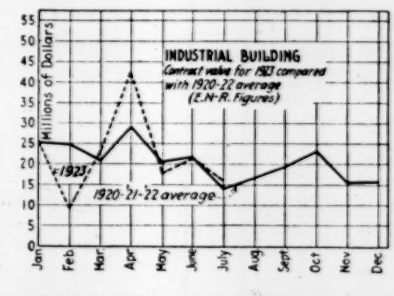
Week Ended	Private	Public All	Public Streets and Roads	Public Waterworks and Sewers	Public All Buildings
July 19	30	223	86	37	42
July 26	33	261	95	50	41
Aug. 2	26	255	99	53	48

BASE PRICES UNCHANGED IN FIVE WEEKS

	Quoted On Aug. 9, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	58.00	59.00	July 5
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	.54	.53	June 28


CONSTRUCTION VOLUME
All large contracts of 1923 compared with composite of 1920-1922 contract letting-E.N-R Index(1913-100)
1923
Composite of years 1920,-'21-'22





PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
Aug. 14	Douglas, Wyo.	July 26
Aug. 14	Maple Shade, N. J. Adv. Aug. 2 and 9.	Aug. 2
Aug. 14	New York, N. Y.	Aug. 2
Aug. 14	Emporia, Kan.	Aug. 9
Aug. 15	Jennings Lodge, Ore.	July 26
Aug. 15	Memphis, Tenn.	July 26
Aug. 15	Wellsburg, W. Va.	July 26
Aug. 16	Evanston, Ill.	July 19
Aug. 17	Cleveland, O. Adv. Aug. 9.	Aug. 9
Aug. 17	Waupun, Wis.	Aug. 9
Aug. 17	Trenton, N. J.	Aug. 9
Aug. 20	Palmyra, N. Y. Adv. Aug. 2 and 9.	Aug. 9
Aug. 21	Detroit, Mich.	July 26
Aug. 22	Andrews, S. C.	July 26
Aug. 22	Joy, Ill. Adv. Aug. 2 and 9.	Aug. 2
Aug. 22	Central Islip, N. Y. Adv. Aug. 2 and 9.	Aug. 2
Aug. 24	Bartlett, Ill.	Aug. 9
Aug. 26	Pennington, N. J.	July 26
Aug. 27	San Diego, Calif.	July 26
Aug. 28	Black River Falls, Wis.	Aug. 9
Aug. 29	Watertown, S. D. Adv. July 26 to Aug. 9.	July 26
Sept. 11	Hoboken, N. J. Adv. Aug. 9.	Aug. 9
SEWERS		
Aug. 10	Roselle, N. J.	Aug. 9
Aug. 13	Arvada, Colo.	July 12
Aug. 13	Pensauken (Camden P. O.), N. J.	July 19
Aug. 13	Leonia, N. J.	Aug. 2
Aug. 14	Phila., Pa.	Aug. 9
Aug. 14	Akron, O.	Aug. 9
Aug. 14	Miami, Fla.	Aug. 9
Aug. 15	Lyons, Kan.	Aug. 9
Aug. 15	Baltimore, Md.	Aug. 9
Aug. 15	New York, N. Y.	Aug. 9
Aug. 16	Haddonfield, N. J.	July 26
Aug. 16	Hollandale, Miss.	Aug. 9
Aug. 16	Akron, O.	Aug. 9
Aug. 19	Alliance, O.	Aug. 2
Aug. 21	Toronto, Ont.	Aug. 2
Aug. 21	Nashville, Tenn. Adv. Aug. 9.	Aug. 9
Aug. 22	Andrews, S. C.	July 26
Aug. 22	High Point, N. C.	Aug. 2
Aug. 24	Spencer, W. Va.	July 26
WASTE DISPOSAL		
Aug. 28	St. Louis, Mo.	Aug. 2
BRIDGES		
Aug. 11	Lonoke, Ark.	Aug. 9
Aug. 13	New Jersey Adv. Aug. 2 and 9.	July 26
Aug. 14	Charleston, S. C.	July 5
Aug. 14	Baton Rouge, La.	July 26
Aug. 14	Annapolis, Md. Adv. Aug. 2 and 9.	Aug. 2
Aug. 15	Phila., Pa. Adv. July 19 to Aug. 9.	July 5
Aug. 15	San Francisco, Calif.	Aug. 9

Bids Close		See Eng. News-Record
Aug. 16	Effingham, S. C.	Aug. 2
Aug. 16	Jacksonville, Fla.	Aug. 9
Aug. 17	Allenhurst, Fla.	July 26
Aug. 17	Clendenin, W. Va.	July 26
Aug. 17	Marion, S. C.	Aug. 2
Aug. 20	Minneapolis, Minn.	Aug. 2
Aug. 20	Illinois	Aug. 9
Aug. 23	Clearwater, Fla.	July 26
Aug. 27	Keyport, N. J. Adv. Aug. 9.	Aug. 9
Aug. 29	Illinois	Aug. 9
Sept. 11	New Jersey Adv. July 26 to Aug. 9.	July 26
Nov. 30	Sydney, Australia	Apr. 19

EXCAVATION, DRAINAGE, IRRIGATION

Aug. 15	Minneapolis, Minn.	Aug. 2
Aug. 15	New Jersey	Aug. 2
Aug. 30	New Iberia, La.	Aug. 9

STREETS AND ROADS

Aug. 10	New York Adv. July 26 to Aug. 9.	July 26
Aug. 10	Indiana	Aug. 9
Aug. 11	Winchester, Ind.	Aug. 9
Aug. 11	Whitewater, Wis.	Aug. 9
Aug. 13	Hattiesburg, Miss.	Aug. 9
Aug. 13	Akron, O.	July 26
Aug. 13	California	July 26
Aug. 13	White Bear (White Bear Lake P. O.), Minn.	July 26
Aug. 13	Kansas City, Kan.	July 26
Aug. 13	Forest, Miss.	Aug. 2
Aug. 13	Lakewood (Cleveland P. O.), O.	Aug. 9
Aug. 13	Latrobe, Pa.	Aug. 9
Aug. 14	St. Louis, Mo.	July 19
Aug. 14	Fayetteville, W. Va. Adv. July 19 to Aug. 9.	July 19
Aug. 14	Louisiana	July 26
Aug. 14	Bluefield, W. Va.	July 26
Aug. 14	Clarksburg, W. Va.	July 26
Aug. 14	Meridian, Miss.	Aug. 2
Aug. 14	Maryland Adv. Aug. 2 and 9.	Aug. 2
Aug. 14	Fairfax, Okla.	Aug. 9
Aug. 14	Phoenix, Ariz.	Aug. 9
Aug. 14	Wilmington, Del.	Aug. 9
Aug. 14	Tampa, Fla.	Aug. 9
Aug. 14	Newport, R. I.	Aug. 9
Aug. 14	Massachusetts	Aug. 9
Aug. 14	Long Island City, N. Y.	Aug. 9
Aug. 15	Ripley, W. Va.	Aug. 2
Aug. 15	Birmingham, Ala.	Aug. 2
Aug. 15	Chicago, Ill. Adv. Aug. 9.	Aug. 9
Aug. 15	Baltimore, Md.	Aug. 9
Aug. 15	Michigan	Aug. 9
Aug. 15	Urbana, Ill. Adv. Aug. 9.	Aug. 9
Aug. 15	Brooklyn, N. Y.	Aug. 9
Aug. 16	New York, N. Y.	Aug. 9
Aug. 16	Ft. Smith, Ark.	Aug. 9
Aug. 16	Michigan	Aug. 9
Aug. 17	Le Sueur Center, Minn.	Aug. 9
Aug. 17	Fresno, Calif.	Aug. 9
Aug. 17	New Jersey	Aug. 9
Aug. 18	Abbeville, La.	Aug. 2
Aug. 18	Huntington, W. Va.	Aug. 9
Aug. 20	New Jersey Adv. Aug. 9.	Aug. 9
Aug. 20	San Diego, Calif.	Aug. 9
Aug. 20	Utah	Aug. 9
Aug. 20	Illinois	Aug. 9
Aug. 21	Virginia	Aug. 2
Aug. 21	New Kensington, Pa.	Aug. 9
Aug. 21	Maryland Adv. Aug. 9.	Aug. 9
Aug. 21	Virginia Adv. Aug. 9.	Aug. 9
Aug. 21	Michigan	Aug. 9
Aug. 21	Wilmington, Del.	Aug. 9
Aug. 21	Utah	Aug. 9
Aug. 21	Laurel, Md.	Aug. 9
Aug. 22	Rhode Island Adv. Aug. 9.	Aug. 9
Aug. 23	Clearwater, Fla.	July 26
Aug. 23	Yakima, Wash.	July 26
Aug. 23	Dallas, Tex.	Aug. 9
Aug. 27	Sheridan, Wyo.	Aug. 9
Aug. 27	Bessemer, Ala.	July 26
Aug. 27	Iola, Kan.	Aug. 2
Aug. 27	San Diego, Calif.	Aug. 9
Aug. 27	New Jersey Adv. Aug. 9.	Aug. 9
Aug. 27	San Diego, Calif.	Aug. 9
Aug. 28	St. Louis, Mo.	Aug. 2
Aug. 28	Louisiana	Aug. 9
Aug. 28	Eastland, Tex.	Aug. 9
Aug. 29	Kentucky	Aug. 9
Aug. 29	Kentucky	Aug. 2
Aug. 29	Delaware	Aug. 9
Aug. 29	Illinois	Aug. 9
Aug. 30	Pittsburgh, Tex.	Aug. 9
Sept. 4	San Jose, Calif.	Aug. 9

INDUSTRIAL WORK

Aug. 13	Hartford, Conn.	Aug. 9
Aug. 14	Hartford, Conn.	Aug. 9
Aug. 16	Toledo, O.	Aug. 9
Aug. 22	Phila., Pa.	Aug. 9

Bids Close		See Eng. News-Record
BUILDINGS		
Aug. 11	Glenwood, Ia.	Aug. 9
Aug. 13	Boone, Ia.	Aug. 9
Aug. 13	Zanesville, O.	July 19
Aug. 13	Cincinnati, O.	Aug. 2
Aug. 14	Lima, O.	Aug. 9
Aug. 14	Nashville, Tenn.	July 19
Aug. 14	Brooklyn, N. Y.	July 26
Aug. 15	Eagle Lake, Tex.	July 19
Aug. 15	Amsterdam, N. Y.	July 19
Aug. 15	Dallas, Tex.	July 12
Aug. 15	Dallas, Tex.	July 19
Aug. 15	Amsterdam, N. Y.	Aug. 2
Aug. 15	Los Angeles, Calif.	Aug. 2
Aug. 15	Louisville, Ky.	Aug. 2
Aug. 15	St. Louis, Mo.	Aug. 2
Aug. 15	Marion, S. C.	Aug. 9
Aug. 15	Milwaukee, Wis.	Aug. 9
Aug. 15	Wauwatosa, Wis.	Aug. 9
Aug. 16	Nashville, Tenn.	July 19
Aug. 16	Milwaukee, Wis.	Aug. 9
Aug. 18	Groesbeck, Tex.	Aug. 9
Aug. 18	New Orleans, La.	Aug. 9
Aug. 20	Williamstown, Mass.	July 26
Aug. 20	Ft. Worth, Tex.	July 26
Aug. 21	Hartford, Conn.	July 19
Aug. 21	Dayton, O.	Aug. 9
Aug. 22	Cedar Rapids, Ia.	Aug. 2
Aug. 23	Harrisburg, Pa. Adv. July 26 to Aug. 9.	Aug. 2
Aug. 25	Ridgway, Pa.	Aug. 9
Aug. 28	Akron, O.	Aug. 2
Aug. 28	Salisbury, Md.	Aug. 9
Aug. 28	New York, N. Y.	Aug. 9
Sept. 4	Wende (Millgrove P. O.), N. Y.	July 26
Sept. 5	Thiells, N. Y. Adv. Aug. 9.	Aug. 9
Sept. 15	Dallas, Tex.	July 26
Sept. 28	Institute, W. Va.	July 26
Sept. 28	Pruntytown (Grafton P. O.), W. Va.	Aug. 2
Sept. 28	Montgomery, W. Va.	Aug. 9
Sept. 28	Institute, W. Va.	Aug. 9
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2
FEDERAL GOVERNMENT WORK		
Aug. 10	Removal of Pile Protection —Chicago, Ill. Adv. July 19 to Aug. 9.	July 19
Aug. 13	Dredging—Baltimore, Md. Adv. July 19 to Aug. 9.	July 12
Aug. 13	Stamp Cages—New Orleans, La.	July 19
Aug. 14	Road—Zion National Park (Springdale P. O.), Utah.	July 19
Aug. 14	Buildings—Knoxville, Ia.	July 19
Aug. 14	Hose—Memphis, Tenn. Adv. Aug. 2 and 9.	Aug. 9
Aug. 15	Water Supply — Chelsea, N. Y.	July 26
Aug. 15	Barracks, etc.—San Diego, Calif.	July 26
Aug. 15	Road—Arizona	Aug. 2
Aug. 15	Riprap Stone—Baltimore, Md.	Aug. 2
Aug. 16	Extension—Evanston, Ill.	July 26
Aug. 16	Stone — Harbor Beach, Mich. Adv. Aug. 2 and 9.	Aug. 2
Aug. 17	Dredging—Massachusetts Adv. July 19 to Aug. 9.	July 26
Aug. 20	Shed, etc.—Wash., D. C.	Aug. 2
Aug. 22	Dredging—Norwalk, Conn. Adv. July 26 to Aug. 9.	July 26
Aug. 22	Sub Post Office—Memphis, Tenn. Adv. Aug. 2 and 9.	July 26
Aug. 23	Lock—Pittsburgh, Pa. Adv. July 26 to Aug. 9.	Aug. 2
Aug. 28	Superstructure—Ludington, Mich. Adv. July 19 to Aug. 9.	July 26
Aug. 28	Repairs—Phila., Pa.	Aug. 9
Aug. 30	Pipe—Mobile, Ala. Adv. Aug. 9.	Aug. 9
Aug. 30	Dredging—Boston, Mass. Adv. Aug. 2 and 9.	Aug. 2
Aug. 30	Dredging—Petaluma, Calif.	Aug. 9
Sept. 12	Dam — Klamath Falls, Ore. Adv. Aug. 9.	Aug. 9
Sept. 12	Siphon—Mitchell, Neb. Adv. Aug. 9.	Aug. 9
Sept. 12	Pistons, etc. — Denver, Colo. Adv. Aug. 9.	Aug. 9
Sept. 12	Storage Bins, etc.—Pearl Harbor, H. T.	July 19
MISCELLANEOUS		
Aug. 14	Levee—Clarksdale, Miss.	Aug. 2
Aug. 14	Underground Fire Alarm System—St. George, N. Y.	Aug. 9
Aug. 15	Levee—Bridge Junction, Ark.	Aug. 2
Aug. 15	Levee—Oroville, Calif.	Aug. 9
Aug. 15	Ties—Montreal, Que.	Aug. 9
Aug. 17	Foundation Wall, etc. — New York, N. Y.	Aug. 9
Aug. 21	Gravel—Baton Rouge, La.	Aug. 2
Aug. 22	Pier—Charleston, S. C. Adv. Aug. 2 and 9.	Aug. 2
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Feb. 28	Headworks — Wellington, New Zealand	May 24
Aug. 28	Underpass—Alabama	Aug. 2
Sept. 12	Tunnel—Colorado Adv. Aug. 9.	Aug. 2

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Fredonia — Making plans new reservoir near Shumla on east bank of Canadaway Creek, also new dam, and 16 in. mains, $185,000, if 12 in. main is used cost will be $148,000. W. Shelto, City Hall, engr.

Md., Baltimore—Mayor and City Council preparing plans mains in various sections of city. $630,000. W. A. Megraw, water engr.

N. C., Blowing Rock—Having preliminary surveys made of sources available for water supply. $25,000. E. C. Robbins, mayor.

Miss., Booneville — Making preliminary survey pumping plant, settling basin and reservoir, 6-8 in. distribution mains, fire hydrants, etc. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, Mo., engr.

La., Shreveport—See "Sewers."

O., Elyria—Plans laying about 1 mi. of 36 in. steel mains. To exceed $25,000. M. Knowles, Hanna Bldg., Cleveland, engr.

Ill., McLeansboro — Aug. 20 to vote on $24,000 bonds, $18,000 of which will be used for 400,000 gal. filtration plant and 3,000 ft. 4 in. pipe, etc., $6,000 for engine generator set (additional $7,500 available for latter). Total $31,500. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, Mo., engrs. Noted Jan. 25.

Wis., Milwaukee—Plans 13,000 ft. 54 in. c.i. pressure main in Chambers St. from end of present main to beyond city limits. $300,000. J. Schwada, City Hall, engr.

Minn., Caledonia—See "Miscellaneous."

Minn., Chisholm—Plans waterworks improvements, incl. installation water softening plant. $50,000. E. Drew, city clk.

Minn., St. Cloud—Plans waterworks improvements, artesian well system as supply source, or filtration plant for river water. $50,000. M. B. Lang, city engr.

Minn., Virginia—Water and Light Dept. plans installing water softening plant. $50,000. A. F. Benson, city engr.

Mo., Canton—Plans election to vote on $60,000 bonds improving waterworks and installing complete sanitary sewerage system. W. B. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs. Noted July 26 under "Sewers."

Mo., Edina—Voted $75,000 bonds waterworks improvements. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs.

Mo., New London—Making preliminary surveys for water works and distribution system. $35,000 or more. W. B. Rollins & Co., Ry. Exch. Bldg., Kansas City, will probably be engineers.

Mo., Piedmont—Plans election in September to vote on $40,000 bonds for water plant and distribution system. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, engrs. Noted July 12.

Mo., Stockton—Soon takes bids rebuilding dam, installing pumping equipment, distribution mains, etc. $60,000.

Mo., Thayer—Making preliminary surveys waterworks plant, incl. distribution system. $25,000-$30,000. R. B. Alexander, 535 Benton St., Kansas City, engr.

Mo., Tipton—Defeated $96,000 bonds for waterworks and distribution, also sanitary sewerage system. Issue will probably be resubmitted.

Ark., Van Buren—Voted $210,000 bonds for waterworks improvements, incl. pumps, tanks, c.i. pipe, filtration plant, etc. W. L. Winters, 700 South 20th St., Ft. Smith, engr.

Tex., Edgewood — Making plans mains, etc. $40,000 bonds voted. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Greenville — Sept. 4, to vote on $325,000 bond issue for reservoir, 1,250,000 gal. capacity, filtration plant, new mains, etc. A. D. Duck, Greenville, engr.

Tex., Kennedy—Sept. 3, to vote on $30,000 bonds for main extensions. J. W. Thames, mayor.

Waterworks (Continued)

Idaho—State plans reservoir embracing 500,000 acres, includes removal of present town of American Falls, together with railroads, dam 75 ft. Work in hands of U. S. Government with assistance of state engineers. $12,000,000.

Ariz., Williams—Making surveys waterworks improvements. $100,000. Burns & McDonnell, 400 Interstate Bldg., Kansas City, Mo., engrs.

BIDS DESIRED

N. Y., Palmyra—Aug. 20, by Bd. Village Trustees, distributing reservoir, storage reservoir, filter, pump well, pumphouse and connecting piping. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs. Noted July 26.

N. J., Hoboken—Sept. 11, by Bd. City Comrs., water supply; adv. E.N.-R. Aug. 9.

N. J., Trenton—Aug. 17, complete unit for Water Dept., incl. Allis Chalmers centrifugal pump, 1,000 gal. capacity per minute under 40 ft. head, etc. A. Bugbee, City Hall, engr.

Ill., Bartlett—Aug. 24, by Village Clerk, furnishing machinery, labor, etc., to drill deep well. $30,000. Former bids rejected. Suhr & Berryman, 105 North Clark St., Chicago, engrs. Noted July 26.

Wis., Black River Falls—Aug. 28, by H. Boyer, city clk., 150,000 gal. steel water tank on 50 ft. steel tower. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Wis., Waupun—Aug. 17 (change of date) by Water & Light Com., 200,000 gal. rein.-con. reservoir. Kaudy & Dick Eng. Co., Ripon, engrs. Noted Aug. 2.

Kan., Emporia—Aug. 14, by City Com., c.i. pipe, valves and fire hydrants, part of proposed $65,000 waterworks plant and distribution system. R. J. Paulett, city engr. Noted July 26.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, furnishing and delivering galvanized pipe, couplings and malleable iron fittings to Water Dept., from Crane Co., 624 West Pratt St., $12,-811. Noted July 26.

O., Westerville—R. Biehl, city mgr., Aug. 3, constructing filter bed, 2 contact beds and 2 units to sledge beds, 17,000 lb. reinforcing, 18 tons c.i. pipe and specials, 4,600 lin.ft. 4-30 in. pipe, etc., from R. O. Cart, Westerville, $33,605. Noted July 26.

CONTRACTS AWARDED

Md., Baltimore—Valves for Water Dept., to A. P. Smith, Norman St., East Orange, N. J., $64,000.

N. C., Wadesboro—Wade Mfg. Co. 15,000 f. 1-6 in. water and 14,000 ft. 8-12 in. sewer pipe, septic tank, to Boyd, Higgins & Goforth, Realty Bldg., Charlotte, $27,000.

O., Cleveland—Cuyahoga Co., 4,800 ft. 12 in. c.i. pipe, Sect. B, Impvt. 20 of Co. Sewer Dist., to Langahan Constr. Co., Marshall Bldg., $30,250. Noted Aug. 2.

O., Cleveland—For 2,390 tons c.i. mains, 11,500 cu.yd. excav., on West Side, Sect. 1, to D. Lowensohn, 10823 Fairchild Ave., $123,000. Noted Aug. 2.

O., Columbus—See "Streets and Roads."

Ill., Aurora—Furnishing material and labor for drilling deep well, to S. B. Geiger, Old Colony Bldg., Chicago, $31,120. Noted July 12.

Ill., Elmwood Park (Chicago P. O.)—Mains in South Side Dist., to M. McElligott, Evanston. Engrs. est. $25,000.

Ill., Gridley—Bd. Local Impvts., furnishing and laying c.i. mains, valves, etc., to T. H. Iglehart Co., 166 West Jackson Blvd., Chicago, $38,872. Noted June 14.

Ill., West Chicago—Mains to P. P. Kuehn, Aurora, $36,200. Noted July 26.

Minn., Willmar—Waterworks improvements, 500,000 gal. concrete reservoir and pumping equipment, to J. H. Olsen & Co., and B. Benson, both of Willmar, $14,494 and $21,370 respectively. Noted July 12.

Wyo., Rawlins—For 40 mi. 16 in. gravity line creosoted Continental wood pipe, to Continental Pipe Mfg. Co., 4519 14th St., N. W., Seattle, Wash. Total estimated cost $660,000. Noted Feb. 1.

Mo., Chamois—Waterworks and sewers, to Carrothers Co., 310 Walsix Bldg., Kansas City, $19,400. Noted July 5.

Mo., St. Louis—Water Dept. 130 tons 6 in. Class "D" bell and spigot pipe, to U. S. Cast Iron Pipe & Fdry. Co., 520 Merchants Laclede Bldg., $5,933.

Tex., Ft. Worth—Labor for mains in Hemphill Dist. Texas Christian University and Baptist Seminary, to Tarrant Constr. Co., Box 1025, $62,326. Engrs. est. $65,-000. Noted July 12.

Que., Montreal—For 6,500 ft. 48 in. c.i. force main in Atwater Ave. and St. Patrick St., to Laurin & Leitch, 590 Union Ave., $157,725. Noted July 26.

Ont., Seaforth—J. Wilson, city clk., 3¼ mi. of 6 and 8 in. c.i. mains, to Day Bros., Guelph. Engrs. est. $40,000. Noted May 10.

Sewers

PROPOSED WORK

Mass., Boston—Had plans prepared and soon takes bids drains in Colonial and Blanford Rds., Union and Shepard Sts., 1,050 ft. 10, 18 and 24 in. concrete surface drains with catch basins. E. F. Murphy, City Hall, div. engr.

N. Y., Rochester—Plans sewers in 6,700 ft. Highland Ave., $87,000; 5,800 ft. Rand St. and Steko Ave., stormwater outlet, $47,000. C. A. Poole, city engr.

Pa., Sharon—Plans election to vote $200,-000 bonds for sewage disposal plant.

Fla., Ocala—Voted $25,000 bonds for sewage disposal plant and extending sewerage system 2.5 mi. J. R. Brumby, Jr., city mgr. Engineer not selected.

Ala., Opelika—Plans complete sewerage system. $50,000-$75,000.

La., Baton Rouge—Plans election to vote on $525,000 bonds for sewerage system. J. W. Bellingsley, Interstate Bldg., New Orleans, consult. engr.

La., Shreveport—Election Oct. 2 to vote on $1,000,000 bonds for sewer and water improvements.

Ky., Louisville—See "Streets and Roads."

O., Berea—Had plans prepared about 12,-000 ft. 6-18 in. vitr. tile intercepting sewer. To exceed $25,000. M. Knowles, Hanna Bldg., Cleveland, engr.

O., Marion—Plans election to vote on $190,000 bonds storm water sewers in East and West Dists. T. Scathers, City Bldg., engr.

Mich., Detroit—Plans prepared vitr. sewers in Lateral 3940, 3,264 ft. 12-24 in.; Lateral 3982, 6,039 ft. 12-20 in.; Lateral 3985, 2,720 ft. 12-24 in.; Lateral 3986, 1,311 ft. 12-20 in.; Lateral 3989, 456 ft. 3 ft. 6 in., 1,456 ft. 24 in., 1,074 ft. 18 in., 2,455 ft. 15 in. and 4,157 ft. 12 in.; Lateral 3990, 3,026 ft. 12-24 in.; Lateral 3992, 2,040 ft. 12-24 in. J. W. Reid, city engr.

Wis., Madison—Plans new sewerage system and disposal plant in South Madison Dist. H. C. Buser, city clk. Engineer not selected.

Kan., Coffeyville—Takes bids in August or September 6,858 ft. 24 in. to 2½ ft. vitr. clay pipe in section of Center, Pacific, Delaware, 14th and 16th Sts., 15,000 cu. yd. earth and 6,000 cu.yd. rock trenching. $50,000. T. R. Marshall, City Hall, engr.

Kan., Great Bend—Making preliminary plans rebuilding sanitary sewerage system. $80,000. Ruckel Eng. Co., Hutchinson, engrs.

Mo., Carthage—Making preliminary surveys installing septic tanks, 6 and 8 in. sewers, etc. $30,000-$35,000. E. S. Glenn, city engr.

Mo., Carrollton—Soon takes bids several miles 6-21 in. vitr. clay sewers in residential districts and repairing outlet sewer. $50,-000. Private plans. Noted July 12.

Mo., Canton—See "Waterworks."

Mo., Edina—Voted $45,000 bonds for sewers. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs.

Mo., Tipton—See "Waterworks."

Tex., Clarksville—Making plans complete sewage disposal plant. $30,000. P. Y. Creager, city engr.

Tex., McAllen—See "Streets and Roads."

BIDS DESIRED

N. Y., New York—Aug. 16, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in West 262nd St., Bradford, Waterbury, Holland, Adee, Randall and Thierot Aves., Mayflower Ave. between Middletown Rd. and Roebling Ave., Mayflower Ave. between Waterbury Ave. and north line of former Walsh estate, also 5 x 5 ft. rein.-con. culvert across Ludlow Ave. at Taylor Ave.

N. J., Roselle—Aug. 10, by Boro Council, 16,377 lin.ft. 8-15 in lateral sewers, Sect. 2. Former bids rejected.

Pa., Phila.—Aug. 14, substructure and superstructure of south west sewage pumping station in 40th Ward, $239,545, also underground structures for north east sewage treatment works on Wheatsheaf Lane, east of Richmond St. J. A. Vogelson, city engr.

Md., Baltimore—Aug. 15, by Bd. Awards, constructing 6,000 ft. sewers and drains in vicinity of Municipal Hospital, Montebello, up to 20 in. diam., 32 manholes, etc., Storm Water Contr. 60. $55,000.

Fla., Miami—Aug. 14, by City Comn., storm sewer, Contr. 31, 1,932 ft. 10 in., 558 ft. 15 in., 438 ft. 18 in. and 1,032 ft. 24 in. terra cotta pipe, 5,685 ft. 24 x 15 to 42 x 36 in. concrete pipe. F. H. Wharton, city engr.

Miss., Hollandale—Aug. 16, by C. Hollingsworth, mayor, and Bd. Aldermen, sanitary sewer system, 15,600 ft. 8-10 in. vitr. sewer, 47 manholes, 3 flush tanks, rein.-con. pumphouse, centrifugal pump and electric motor. Bobo & Collier, Clarksdale, engrs.

Tenn., Nashville—Aug. 21, at office of S. H. McKay, city clk., Sect. 5 Browns Creek Intercepter Sewer. H. E. Howse, mayor; adv. E. N.-R. Aug. 9.

O., Akron—Aug. 14, by W. F. Peters, dir. Pub. Serv., 9,650 lin.ft. 8-24 in. vitr. and 1,880 lin.ft. 42-51 ft. segmental block or brick sewer in Avon and Berwin Sts., $110,650; 550 lin.ft. 10-24 in. vitr. and 4,640 lin.ft. 30-54 in. brick or segmental block sewer in Forest Hill, $94,300; 5,660 lin.ft. 8-24 in. vitr. clay and 780 lin.ft. 30 in. brick or segmental block sewers in Brittain Rd., East North and Ruby Sts., $33,100. J. E. Root, Delaware Bldg., engr.

O., Akron—Aug. 16, by W. F. Peters, dir. Pub. Serv., 330 ft. 12 in. vitr. clay and 1,025 ft. 48 in. segmental block or brick sewer in Palisade Ave., $22,031; 1,595 ft. 8-24 in., vitr. clay, 2,115 ft. 30-54 in. segmental block or brick sewer in West Market St., $59,936. Former bids rejected. J. E. Root, Delaware Bldg., engr. Noted June 21.

O., Cleveland—Aug. 17, at office Commissioner Purchases and Supplies, City Hall, constructing Magnolia Dr. main for Baldwin-Fairmount Project, Contr. 29. A. V. Ruggles, comr. water; adv. E. N. R. Aug. 9.

Kan., Lyons—Aug. 15, by City Council, 10¾ mi. 6-27 in. sewers and laterals in various streets. $90,000. C. A. Haskins, 517 Finance Bldg., Kansas City, engr. Noted July 5.

Mo., St. Louis—See "Streets and Roads."

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Aug. 1, sewers in (1) East 3rd St., engrs. est. $8,433 (2) Mansfield Pl. $5,601 (3) Lenox Rd. $5,301 (4) 73rd St. $4,429 (5) East 52nd St. $4,395 (6) 81st St. $3,971 (7) Ocean Ave. $3,226 (8) 7th Ave. $2,998 (9) 20th Ave., $2,894 (10) 82nd St. $2,339 (11) Ft. Hamilton Parkway $1,313 (12) Ft. Hamilton Parkway $895 (13) 79th St. $28,134 (14) Ave. T $14,178 (15) Ave. L $12,469 (16) 58th St. $3,808 (17) Lott Ave. $1,644 (18) Sheffield Ave. $4,400, from J. J. Guinan Contg. Co., 2314 Gravesend Ave., (1) 96% engrs. est.; Tomassetti & Co., Inc., 1133 60th St., (2) 82.95% (4) 92.92% (5) 88.88% (7) 94% (13) 94.94% (16) 98.98%; B. Peconi & Sons, (3) 90%; Nazzaro & Querriero (6) 99.96% (14) 101% (15) 86%; S. Ambrosio, 1016 60th St., (8) 98%; Manmill Constr. Co., 2035 Douglas St., (9) 110% (10) 98% (12) 119%; (17) 93.5%; C. F. Vacharas, 645 40th St., (11) 111%; (8) F. Meridino, 540 17th St., (18) 125%. Noted July 26.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 31, sewer in 25th St., from Awixa Corp., Mt. Vernon, $652,121. Noted July 26.

Md., Baltimore—Constructing Gwynn Falls intercepting sewer, Sect. 3, from Ryan Constr. Co., Real Estate Trust Bldg., Phila., Pa., $92,336. Noted July 26.

Ind., Huntington—Bd. Pub. Wks., July 30, sewers and disposal plant, from Brinneman & Davenport, Ft. Wayne, $182,642 and $110,000 respectively. Noted July 19.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., constructing North Side Sewage Treatment Works, Division A, aeration tanks, settling tanks and operating galleries, from John Griffiths & Son Co., 112 West Adams St., $5,602,636; White Constr. Co., 130 North Wells St., $5,886,639; W. J. Newman Co., 21 North Curtis St., $6,200,140. Noted July 5.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 25th and 27th Sts., to F. J. Kelly Co., Inc., 186 Joralemon St., Brooklyn, $368,581. Noted July 26.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., to McDonald & Wilson, sewers in Matthews Ave., etc. $12,431, Randall Ave. $6,848, Pelham Parkway $14,560; to F. Henretti, excavating and removing existing sewer in Exterior St. $7,200. Noted July 26.

N. J., Roselle—Boro Council, constructing Aldene sub-trunk sewer, 7,107 ft. 15 and 18 in. pipe, to Spiniello Constr. Co., 185 Market St., Newark, $42,318. Noted July 19.

Md., Baltimore—Bd. Award, sewers and appurtenances in Dist. 25, 14,795 lin.ft. vitr. pipe sewer, 250 lin.ft. 5 in. vitr. pipe house connections and 480 lin.ft. c.i. pipe connections, to Marrocco & Martell, 609 South Decker Ave., Baltimore, $48,768. Noted Aug. 2.

Sewers (Continued)

N. C., Wadesboro—See "Waterworks."

Fla., Vero—Vitr. clay and segmental block storm sewers, inlets, manholes and bulkheads, to J. C. Mishler, 105 Spruce St., Chattanooga, Tenn., $38,927.

Tenn., Milan—Sewers in General Dist., to F. D. Harvey & Co., Milan, $33,269. Noted May 24.

Ky., Louisville — Napoleon Blvd. sewers and Speed Ave. laterals, to H. Bickel Co., 443 Garden St., $110,953. Noted July 26.

O., Columbus—See "Streets and Roads."

O., Columbus — W. H. Duffy, dir. Pub. Serv., 29,693 ft. 6-24 in. vitr. sewer extending over several streets and alleys from Wilson to Ohio Aves., to E. C. Bartling, 734 Champion Ave., $73,629. Noted July 26.

O., Delaware — W. H. Duffy, dir. Pub. Serv., Columbus, sewerage disposal plant, at Girls' Industrial Home, here, to Pitt Constr. Co., Fulton Bldg., Pittsburgh, Pa., $129,110. Noted July 26.

Ill., Shermerville—Storm sewerage system to H. D. Hallett, 132 Downer Pl., Aurora, $60,000; sanitary sewerage system to Monaco & Christofono, Chicago, $50,000. Engrs. est. $130,000. Noted June 28.

Wis., Janesville—Vitr. clay sewers in various streets, to G. T. Thorne, 219 Mason St., Milwaukee, $25,009. Noted July 19.

Wis., Kenosha — Vitr. clay sewers in 6 streets, 1 section to M. Thomsen, 1020 Salem Ave., $20,100; another section, to P. Frandsen, 1315 Salem Ave., $9,000.

Wis., Milwaukee—Rein-con. sewer tunnel in Schiller and Jordan Sts. Howell and Oklahoma Aves., to H. Hohensee, Ludington Ave., Wauwatosa, $227,492. Noted July 26.

Mo., Chamois—See "Sewers."

Mo., Maplewood (St. Louis P. O.)—For 15,640 ft. 8-36 in. vitr. clay and 500 ft. 42 in. segmental block, sanitary and storm water sewers in Manchester Sewer Dist. 2, to Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, $97,264. Engrs. est. $97,996.

Mo., St. Louis—Shaws Garden Bd. to McKelvey Constr. Co., 911 Title Guaranty Bldg., 2,310 ft. 45-66 in. and 9,910 ft. 8-30 in. sewers in Shaws Garden subdivision from Vendeventer to Shaw Aves. and from Shenandoah to Alco Aves., 15,315 cu.yd earth trenching, 29,000 lb. c.i. and 2,860 lb. w.i., etc., $60,000, 55,000 cu.yd. grading, $12,000.

Tex., Ft. Worth..Storm sewer, etc. in West Rosedale St., 3,976 ft. 15-48 in. sewer, 38 concrete inlets, 605 sq.yd. paving, 3,200 cu.yd. excav., etc., to H. W. Greenway, 214 Hemphill St., $37,131. Engrs. est. $35,000.

Calif., Anaheim—Outfall sewer, Sect. 2, to C. E. Green, Los Angeles, concrete pipe $143,751; Sect. 3, to Cox & Teget, Alhambra, concrete pipe, $68,519; Sect. 4, to Downer & Mero, 2234 Macdonald Ave., Richmond, vitr. pipe, $25,676. Noted June 28.

Calif., Redwood City—Sewers in Johnson and Hudson Sts., etc., 25,502 lin.ft. 4-8 in. vitr. and 125 lin.ft. 6 in. w.i. pipe, to Chambers & De Golyer, Bacon Bldg., Oakland, $19,890. Noted Aug. 2.

Calif., Sacramento — Sewers in 7th St. from alley between D and E Sts. to U St., vitr. and concrete pipe, to Frederickson & Shannon, Cory Bldg., Fresno, $50,001. Noted Aug. 2.

Waste Disposal

CONTRACTS AWARDED

Pa., Phila.—F. H. Caven, dir. Pub. Wks., general contract for Harrowgate incinerator at C and Ramona Sts., to Murphy-Quigley Co., 1524 Chestnut St., $172,500. Noted June 14.

Bridges

PROPOSED WORK

N. J., Metuchen—State Hy. Dept., Trenton, plans rebuilding steel bridge over tracks of Pennsylvania R.R., here. $33,000. W. G. Sloan, state highway engr.

North Carolina—State Hy. Comn., Raleigh, had plans prepared rein.-con. bridges and culverts on (**S. P. 857, Mitchell, which means State Project 857, Mitchell Co.**), $38,-220, S. P. 134, Gates, $37,430, S. P. 144, Halifax, $49,750, S. P. 156, Martin, $87,-390, S. P. 302, Bladen $300,000, S. P. 537, Guilford, $53,490, S. P. 495, Warren, $40,-225, S. P. 422, Franklin, $42,400, S. P. 580, Randolph, $42,100, S. P. 641, Iredell, $72,-390, S. P. 721, Caldwell, $40,300. C. M. Upham, Raleigh, engr.

North Carolina—See "Streets and Roads."

Tenn., Union City—Obion Co. election Sept. 15, to vote on $100,000 bonds for bridges and culverts, mostly concrete.

Kentucky — State Hy. Dept., Frankfort, plans 460 ft. steel and concrete bridge over Salt River, on Jackson Highway, Bullitt Co., one 260 ft. steel span and four 50 ft. concrete spans. J. S. Boggs, state highway engr.

Ky., Sample — Louisville, Henderson & St. Louis R.R. Co., 2nd and Main Sts., Louisville, plans 300 ft. trestle bridge, single track, concrete piers, over Sugar Creek, near here. $50,000. W. S. Moore, engr. M. W.

Minn., Austin—City and Mower Co., plan 180 ft. concrete arch bridge, 3 spans, 30 ft. roadway and two 5 ft. sidewalks, over Cedar River on Water St. $35,000. C. M. Hubbard, co. aud. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Minn., Stillwater—City and Washington Co. plan 1,200 ft. steel bridge over St. Croix River. $90,000. J. F. Kilty, co. aud.

Tex., Houston—Harris Co. election soon to vote on $500,000 bonds for rebuilding miscellaneous bridges. Howe & Wise, co. engrs.

Tex., San Angelo—Tom Green Co. having plans prepared 306 ft. bridge over Concho River, with one 20 ft. steel and six 31 ft. concrete girders. $28,385. G. Gilchrist, co. engr.

BIDS DESIRED

N. J., Keyport—Aug. 27, by State Hy. Comn., Trenton, new abutments and approaches for Bridge 43, over Luppatcong Creek, on State Highway Route 4, here. A. L. Grover, ch. clk.; adv. E. N.-R. Aug. 9.

Delaware—See "Streets and Roads."

Fla., Jacksonville—Aug. 15, by H. N. Rodenbough, genl. mgr. Florida East Coast Ry., St. Augustine, 2,480 ft. double track steel bridge, concrete piers, 5 truss spans and 23 girder spans, over St. Johns River, here. $1,800,000. Noted July 12.

Illinois—Aug. 20 by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 2 rein.-con. slab bridges 12 and 18 ft. spans, 4 deck girders, 40-60 ft. spans, substructure and superstructure for 1 steel. C. H. Older, ch. highway engr.

Illinois—Aug. 29 by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 2 slab bridges 26-28 ft. span; 11 girders 26-40 ft. spans, and 2 concrete culverts 10-12 ft., 3,316 cu.yd. concrete, etc. C. H. Older, ch. highway engr.

Ill., Urbana—See "Streets and Roads."

Ark., Lonoke — Aug. 11, by Lonoke Co. Court, 4 bridges over Wabbaseeka Bayou near England, 44,100 lb. steel, 120.3 cu.yd. concrete, 882,000 ft. wood; three 30 ft. I beam spans, concrete and steel, 18 ft. roadway, concrete foundation and abutments, near Carlisle.

Calif., San Francisco—Aug. 15, by Bd. Pub. Wks., steel bridge superstructure to carry Bay Crossing Pipe Line of Hetch Hetchy project at Dumbarton Point, 36 spans, each 105 ft. long, 2,800,000 lb. metal, 326,000 sq.ft. protective coating, 58,500 ft. O. P. walkways, etc., for city and San Francisco Co. $250,000. M. M. O'Shaughnessy, city engr.

BIDS RECEIVED

Conn., Bridgeport—Pub. Wks. Dept., July 25, steel and concrete bridge on East Washington Ave., from Bridgeport Dredge & Dock Co., 1024 Main St., $326,575. Engrs. est. $300,000. Noted June 20.

New Jersey—See "Streets and Roads."

N. J., Independence—State Hy. Dept., Trenton, Aug. 2, 3 span steel encased bridge and fill approaches with gravel surface, over tracks of Lehigh & Hudson River Ry., here, Warren Co., from Salmon Bros., Netcong, 87.2% engrs. est. Noted July 19 under "New Jersey."

Maryland—State Rds. Comn., Baltimore, bridge over Toms Creek on road from Frederick to Emmitsburg, Frederick Co., Contr. F-65, from R. B. Poffenberger, Myersville, $16,720; double span rein.-con. arch bridge over Youghiogheny River on road from Oakland to Hutton, Garrett Co., Contr. G-26, from Monongahela Constr. Co., Fairmount, W. Va., $19,615. Noted July 26.

Virginia—State Hy. Comn., Richmond, bridges on Route 39, Project F 157 B, James City and New Kent Counties, from Baker-Royer Co., Richmond, $14,088, Route 10, Project S 329, Montgomery and Roanoke Counties and Route 33, Project F 192 B, Augusta Co., from Atlantic Bridge Co., Box 871, Roanoke, $28,857 and $7,160 respectively. Noted July 12.

Alabama—State Hy. Dept., Montgomery, July 31, bridges on Dublin-Orion Rd., Montgomery Co., Federal Aid Project 74, treated timber, from J. R. and J. B. Miller, Baconton, Ga., $40,152; rein.-con., from W. C. McCoy, Lafayette, $87,186. Noted July 12.

Ohio—Dept. Highways and Pub. Wks., Columbus, concrete arch bridge on Sect. "B-2" Mt. Vernon-Newark Rd., Knox Co., from Noble Bridge Co., Columbus, $27,167. Noted July 26.

CONTRACTS AWARDED

Rhode Island — State Bd. Pub. Rds., Providence, bridge at West Warwick, 950 cu.yd. concrete to Milliken & Armstrong, Providence, $44,560. Noted July 26.

N. Y., Binghamton—Bd. Contr. & Supply, Municipal Bldg., 5 span rein.-con. arch bridge, to B. L. Gabriel, 145 Leroy St., $363,000. Noted June 28.

O., Cleveland—Cuyahoga Co., bridge on Hillside Rd., 1,119 cu.yd. concrete, 87,899 lb. reinforcing, to Nelson & Kelly, 3351 West 126th St., $61,747.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., main substructure of South Park Ave. and 23rd St. viaduct, to E. L. Scheidenhelm Co., 111 West Monroe St., $332,000 (5 months.) Noted Apr. 5.

Tex., Crockett—Hurricane Shoals Bridge Co., c/o M. Bromberg, Crockett, 440 ft. steel bridge, with 3 spans, over Trinity River at Hurricane Shoals, to Austin Bros. Bridge Co., 1813 Clarence St., Dallas, $25,-000. Noted July 5.

Tex., Edinburg—Hidalgo Co.—3 timber pile trestles on State Highway 12, 240,810 ft. treated timber, 14,924 ft. untreated timber, 13,200 lin.ft. treated wooden piling, to Doods & Wedegartner, San Benito, $50,-020. Engrs. est. $55,022 incl. 10% for engineering and contingencies.

Tex., Edinburg—See "Streets and Roads."

Calif., Napa—Napa Co., rein.-con. bridge over Napa River on Oak Knoll Ave., 850 cu.yd. concrete, 161,000 lb. reinforcing, 1,525 cu.yd. dry excav., etc., to J. H. May, Napa, $29,977. Noted Aug. 2.

Dams

PROPOSED WORK

Pa., Sulphur Springs—Johnstown Water Co., 332 Locust St., Johnstown, plans to build North Fork Dam on Benscreek near here. $40,000. Gray & Claflin, Johnstown, engrs.

CONTRACTS AWARDED

Wis., Peshtigo—See "Miscellaneous."

Railways

PROPOSED WORK

California—Atchison, Topeka & Santa Fe R.R., 6th and Main Sts., Los Angeles, making surveys for new line through Tehachapi Mountains between Los Angeles and Bakersfield. R. B. Ball, ch. engr.

Excavation, Drainage Irrigation

PROPOSED WORK

Miss., Yazoo City—Yazoo Delta D. D. having surveys made of large district of delta, preliminary to drainage of more than 40,000 acres, in Yazoo, Holmes and Humphreys Counties. Elliott-Harman Eng. Co., Bank of Commerce Bldg., Memphis, Tenn., engrs.

La., Baton Rouge—Plans election to vote on $325,000 bonds for drainage work. J. W. Bellingsley, Interstate Bldg., New Orleans, consult. engr.

La., New Iberia—Petite Anse Coteau D.D. voted $75,000 bonds and takes bids in about 60 days for drainage work. N. Delcombre, Natl. Bank of New Iberia, secy.

La., Bayville—Tensas Basin Levee Assn. plans to build 75 mi. drainage canals, levees, etc., to protect 1,250,000 acres in northeastern section of state. $3,500,000. Engineer not selected.

Minn., Caledonia—See "Miscellaneous."

N. D., Minot—Having plans prepared 4,700 lin.ft. canals to take care of flood waters of Mouse River. $266,250. W. W. Peterson, city engr.

Ont., Sault Ste. Marie—Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans hydraulic dredge work in harbor here. $60,000 bonds voted. K. M. Cameron, ch. engr.

BIDS DESIRED

La., New Iberia—Aug. 30, by C. Girard, pres. Police Jury News, Iberia Parish, 4½ mi. canal from Lake Fausse Point to Bayou Teche, 710,000 yd. excav. J. F. Kemper, 310 Audubon St., New Orleans, engr. in charge.

Ia., Ft. Dodge—Aug. 8 at office C. A. Snook, aud. Webster Co., reconstructing Joint Drain 16, Webster Co., and 31, Calhoun Co., 127,100 cu.yd. excav., etc. J. L. Parsons, Ft. Dodge, engr.

Ia., Nevada—Aug. 10 at office M. R. Purkhiser, aud. Story Co., Boone-Story D.D. 10, Story and Boone Counties 41,603 lin.ft. 6-36 in. tile, etc. W. A. Olson, Nevada, engr.

Excavation, Drainage and Irrigation
(Continued)

BIDS RECEIVED

N. Y., New York—J. H. Delaney, comr. Docks, Pier "A," North River, dredging slip between Piers 61 and 62, North River, Contr. 1812, from Columbia Dredging Corp., 30 Church St., $24,565. Noted Aug. 2.

Calif., Los Angeles—Bd. Harbor Comrs., 2,900,000 cu.yd. dredging and 12,000 lin.ft. discharge pipe in West Basin, from Pan-Pacific Constr. Co., Citizens Natl. Bank Bldg., dredging $0.1575 per cu.yd., total $441,000. Noted July 19.

CONTRACTS AWARDED

Miss., Senatobia—Strahorn Creek D. D. Tate Co. 12½ mi. drainage canals, incl. 410,-680 cu.yd. main canal and 110,000 cu.yd. laterals, to Canal Constr. Co., McCall St., Memphis, $0.975 per cu.yd. Noted July 19.

Wis., Marinette—See "Miscellaneous."

Ill., Savanna—Carroll Co. Drainage and Levee Dist. 1, to Farrar Pump and Mchy. Co., Granite Bldg., St. Louis, Mo., oil engine driven pumping plant, etc., $23,185; F. Mutchmore, Savanna, building and foundations for above, $13,253. Noted July 5.

Minn., Crookston—Polk and Clearwater Counties, Judicial Ditch 72, 356,537 cu.yd. excav., 28.5 mi. level road, 1,060 lin.ft. 15 in. culvert pipe, 244 lin.ft. 60 in. pipe, 400 lin.ft. 12 in. drain tile, fourteen 16 ft. span timber bridges, one 24 ft. span timber bridge, to Red Lake Drainage Co. (E. Norden and E. Spooner), Fosston, $37,533 for excav.; Union Drainage Co., Crookston, $7,662 for bridges and culverts. Noted July 5.

Streets and Roads

PROPOSED WORK

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., received no bids July 23, repaving Sheridan Ave. Will readvertise. Noted July 19.

N. Y., Rochester — Plans curbing and paving 800 ft. Court St., 50 ft., willite, $29,-200; 1,800 ft. Elmwood Ave. from Mt. Hope to South Aves., 36 ft., willite, $29,000; 3,100 ft. Elmwood Ave. from South Ave. to East City line, 36 ft., asphalt, $110,000. C. A. Poole, city engr.

N. J., Asbury Park—State Hy. Dept., Trenton, plans paving 1.7 mi. Main St., here, Monmouth Co. $110,000. W. G. Sloan, state highway engr.

N. J., Boonton—State Hy. Dept., Trenton, rejected bids July 25, paving ½ mi. East Main St., here, Morris Co., bituminous concrete on concrete. $50,000. Will readvertise. Noted July 5.

N. J., Newark—Essex Co. plans grading (rock excav.) 3,700 ft. Mt. Pleasant Ave., 30-40 ft. $100,000. W. A. Stickel, Court House, engr.

N. J., Newark—Essex Co. plans grading and paving 16,000 ft. Campbell Ave., Caldwell, 33 ft., 2 in. asphaltic concrete on 6 in. concrete, etc., $26,000; 3½ mi. Prospect Ave., 24 ft. and 1½ mi. Grandview Ave., 20 ft., both bituminous concrete on 6 in. concrete or 8 in. rein.-con., $200,000, and $90 respectively; improving 21,000 ft. Mt. Pleasant Ave., 2½ ft. of 7 in. penetration macadam shoulder adjacent to existing pavement, $25,000. W. A. Stickel, Court House, engr.

North Carolina—State Hy. Comn., Raleigh, had plans prepared improving roads (**S. P. 102, Beaufort, means State Project 102, Beaufort Co.**), grading, topsoiling and bridging 8.62 mi. S. P. 102, Beaufort, $52,-880, 7.71 mi. S. P. 126, $260,500, 17.34 mi. S. P. 128, $92,920 and 11.98 mi. S. P. 127, $67,160, all three projects in Edgecombe, 15.31 mi. S. P. 136, $97,660 and 5.99 mi. S. P. 142, $43,100, both Halifax, 6.52 mi. S. P. 161, Nash, $36,930, 5.42 mi. S. P. 491, Warren, $29,640, 12.71 mi. S. P. 458, Person, $82,200, 8.05 mi. S. P. 393, Robeson, $54,275, 5.03 mi. S. P. 648, Lincoln, $53,320; grading and topsoiling 1.25 mi. S. P. 302, Bladen, $38,968, 8.6 mi. S. P. 418, Franklin, $52,530, 4.39 mi. S. P. 762, Surry, $61,948, 5.74 mi. S. P. 857, Mitchell, $86,500, 12.15 mi. S. P. 162, Nash, $49,500, 17.43 mi. S. P. 156, Martin, $104,350, 16.32 mi. S. P. 144, Halifax, $84,500, 16.65 mi. S. P. 134, Gates, $61,090, 7.94 mi. S. P. 495, Warren, $40,280, 13.74 mi. S. P. 721, Caldwell, $135,-900; concrete or asphalt paving and bridging 9.1 mi. S. P. 474, $358,580 and 5.95 mi. S. P. 472, $41,800, both Vance, 9.96 mi. S. P. 180, Perquimans, $227,840, 4.42 mi. S. P. 187, Pitt, $152,950, 4.94 mi. S. P. 902, $234,-910 and 10.63 mi. S. P. 900, $252,000, both Buncombe, 2.04 mi. S. P. 890, Yance, $47,-180, 1.46 mi. S. P. 944, Haywood, $55,100, 4.64 mi. S. P. 666, Richmond, $171,080, 9.88 mi. S. P. 646, Lincoln, $325,480, 8.21 mi. S. P. 592, Rockingham, $299,110, 12.23 mi. S. P. 609, Anson, $464,000, 8.23 mi. S. P. 421, Franklin, $324,400, 10 mi. S. P. 292, Wilson, $365,550, 5.04 mi. S. P. 229, $171,100 and 4.96 mi. S. P. 228, $165,350, both Greene; grading, asphalt or concrete paving 13.8 mi. S. P. 275, Sampson, $206,400, 10.97 mi. S. P. 537, Guilford, $402,320, 6.74 mi. S. P. 580, Randolph, $236,580, 4.29 mi. S. P. 422, Franklin, $158,070, 8.03 mi. S. P. 641, Iredell, $290,000, 3.53 mi. S. P. 723, Caldwell, $133,900. C. M. Upham, Raleigh, engr.

Maryland—State Rds. Comn., Baltimore, rejected bids gravel surfacing 17,700 sq.yd. highway in Anne Arundel Co., Contr. AA-33. Noted Aug. 2.

Fla., Lake Worth—Plans paving and sidewalks on various streets. $50,000. W. Randolph, Lake Worth, engr.

Fla., Melbourne Beach—Plans to open, widen and pave streets. $30,000. Engineer not selected.

Fla., Ocala—Voted $75,000 bonds paving and curbing 118,000 sq.yd. road. Estimated cost $225,000. J. R. Brumby, Jr., city mgr. Engineer not selected.

Fla., Panama City—Bay Co. election Aug. 14, to vote on $140,000 bonds hard-surfacing various roads. W. H. Marshall, co. clk.

Fla., Rockledge—Election Aug. 13 to vote on $50,000 bonds paving and repaving streets. A. J. Beardsley, town clk.

La., Baton Rouge—Plans election to vote on $600,000 bonds for paving work. J. W. Bellingsley, Interstate Bldg., New Orleans, consult. engr.

La., New Orleans—Opens bids between Sept. 20th and 24th, for 1924 paving program. A. Klorer, city engr.

Tenn., Greenville—Plans paving 32,000 sq.yd. various streets.

Tenn., Nashville—Rejected bids paving with asphalt 15th Ave. from Buchanan to Clay St. and from Eastland to Ordway St., also Capers St. from 21st to 24th Sts. W. W. Southgate, city engr. Noted Aug. 2.

Kentucky — State Rd. Dept., Frankfort, plans grading State Project 29 from Irvine to Lee Co. line, Estill Co., State Project 32, Frenchburg-Mt. Sterling Rd., Montgomery and Menifee Counties, 9.318 mi. Louisville-Paducah Highway from Brandenburg to Breckenridge Co. Line, Meade Co., 24 and 28 ft., Federal Aid Project 6, Jenkins-Pound Cap Rd., Fletcher Co., 2.6 mi. Owensboro-Hartford Highway, Hoover's Hill to Beda, Ohio Co., 24 and 28 ft.; reconstructing State Project 49, Georgetown-Frankfort Rd., Scott Co., 18 ft., 5 mi. State Project 47, Lexington-Harroddsburg Rd., Jessamine Co., 18 ft., 9.3 mi. State Project 47, Springfield to Nelson Co. line, Washington Co., 18 ft.; resurfacing 7 mi. State Project 20, Sect. J, Lexington-Maysville Rd., Nicholas Co., 18 ft., 6 mi. State Project 23, Nicholasville to Fayette Co. line, Jessamine Co., 18 ft.; bituminous macadam resurfacing 7 mi. Lexington-Maysville Highway, Maysville to Licking River, Mason Co., 18 ft., 7.2 mi. Danville-Lebanon Highway, Perryville to Marion Co. line, Boyle Co., 18 ft. J. S. Boggs, state highway engr.

Kentucky—State Rd. Dept., Frankfort, having plans prepared constructing and surfacing 11.36 mi. Glasgow-Burkesville Highway, State Project 40, Metcalfe Co., 2.54 mi. Glasgow-Burkesville Highway, State Project 40, Cumberland Co.; constructing and surfacing with waterbound macadam 8.57 mi. Louisville-Paducah Rd., Federal Aid Project 108, Daviess Co., all 18 ft. J. S. Boggs, state highway engr.

Ky., Louisville—Gardiner Realty Co., 422 West Liberty St., plans 30,000 sq.ft. concrete sidewalks, 0.5 mi. road and sewerage system, in Garland Sub-division, West End, here. $100,000.

Ky., Paducah — McCracken Co. plans gravel surfacing Lovelaceville and Benton Rds. $30,000. B. Weille, comr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids July 31, grading, bridging and paving 2.002 mi. Sect. "P" Akron-Wooster Rd., Wayne Co. $58,307. Noted July 26.

O., Cleveland—Plans widening Carnegie Ave. from East 22nd to East 55th Sts., also extending Chester Ave. from East 30th to East 40th Sts., East 35th St. from Perkins to Euclid Aves., and East 36th St. from Prospect to Euclid Aves. $5,000,-000. R. Hoffman, City Hall, engr.

O., Lisbon—Columbiana Co. plans repaving Dixonville Rd., Liverpool Twp. $28,000. E. C. Kirk, Courthouse, engr.

O., Lisbon—Columbiana Co. soon takes bids resurfacing and improving Goshen Rd., macadam. $83,000. E. C. Kirk, Courthouse, engr.

Indiana—State Hy. Dept. plans reconstructing and resurfacing 20 mi. highway from New Albany to Corydon, Floyd Co. $200,000. C. Gray, state highway engr.

Ind., Ft. Wayne—Allen Co. plans paving 2.51 mi. Moore Rd. 24 ft., crushed stone. $37,239. O. M. Darling, Ft. Wayne, engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and gravel surfacing 3½ mi. State Trunk Line Rd. 43-3, Ionia Co., also 5½ mi. State Trunk Line Rd. 43-4, Montcalm Co. F. F. Rogers, state comr.

Illinois—State election Nov. 4 to vote on $100,000,000 bond issue for durable hard surfaced road work.

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, preparing plans grading, etc., 6 mi. State Highway 2 between Motley and Staples, Todd Co. $37,000. State Highway Dept., engrs.

Minn., Mantorville—Dodge Co. rejected bids on Job 2303, State Aid Rd. 1, 85,452 cu.yd. earth and 100 cu.yd. loose rock excav., 273,965 cu.yd. overhaul, 1,635 lin. ft. concrete culverts, 2,506 lin.ft. 6 in. tile. Noted July 19.

Kan., Kansas City—Wyandotte Co. making plans concrete paving 2.675 mi. Johnson-Wyandotte Co. Line Rd., 16 ft. O. K. Williams, co. engr.

Kan., Wichita—Soon lets contract paving with sheet asphalt 2 4,700 ft. drives in Central and North Riverside Parks and road from Greiffenstein Bridge to Bittingwell. $40,000-$45,000. P. L. Brockway, city engr.

South Dakota—State Hy. Comn., Pierre, plans to surface 13.5 mi. Federal Aid Project 154, Hughes Co., 20,250 cu.yd. gravel, $42,089.

North Dakota — State Hy. Dept., Bismarck, plans grading road through Berthold Reservation west of Sanish, etc. $80,000. W. G. Black, ch. engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 4.827 mi. Federal Aid Project 230 A, Cooper Co., 46,333 cu.yd. earth excav., and 4.943 mi. Federal Aid Project 229 B, Boone Co., 30,303 cu.yd. earth excav.; concrete paving 26,526 sq.yd. Federal Aid Project 205A, Buchanan Co. B. H. Piepmeier, state highway engr.

Tex., Center—Making plans paving various streets, 40,000 sq.yd. 6 in. concrete and 10,000 sq.yd. iron ore gravel with bituminous surface. $125,000. I. R. Titus, Center, engr.

Tex., Corsicana — Plans paving 200,000 sq.yd. streets, various types. W. W. McClendon, Corsicana, engr.

Tex., Georgetown—Williamson Co. making plans grading, gravel or shale surfacing, etc., Georgetown-Florence Rd. $55,000 bonds voted. R. A. Nichols, co. engr.

Tex., Laredo—Voted $200,000 bonds for additional street paving, bituminous concrete or asphalt. S. F. Crecilius, Ping Bldg., engr. Noted July 12.

Tex., Liberty—Liberty Co. making plans grading and bridging 4.6 mi. State Highway 35, 24 ft. $28,200. W. C. Youngs, Dayton, co. engr.

Tex., McAllen—Election soon to vote on $30,000 bonds for street paving and $20,000 bonds for sewers. E. M. Card, city engr.

Tex., Menard—Menard Co. election Sept. 1, to vote on $60,000 bonds for constructing various roads. J. D. Scruggs, co. judge.

Tex., Paris — Lamar Co. making plans grading and concrete surfacing 3 mi. State Highway 5, 18 ft. $60,000. W. M. Fooshee, co. engr.

Tex., Uvalde—Uvalde Co. making plans grading and gravel surfacing 9 mi. Uvalde-La Pryor Rd., 18 ft. $50,000. M. B. Hodges, co. engr.

Tex., Vernon—Wilbarger Co. soon takes bids paving State Highway 5, Bates Sect. 24,175 sq.yd. rein.-con. $75,000. J. B. Banors, Wichita Falls, co. engr.

Tex., Waxahachie—Ellis Co. plans new election to vote on $750,000 bonds to construct 30 mi. State Highway and improve 75 mi. lateral roads. W. A. Spaulding, Waxahachie, engr. Noted July 19.

Ark., Paragould — Making preliminary surveys grading and paving various streets in Dist. 4, between Court and Junction Sts. west of 7th St. $42,000-$45,000.

Calif., Glendale—Opens bids about Sept. 13, improving 1½ mi. Sycamore Canyon Rd., 56 ft., 1½ in. national wearing surface on 4 in. asphaltic concrete. $175,000. B. F. Dupuy, city engr.

Que., Montreal—Plans asphalt pavements on Decarie Blvd., $19,000, 1,900 ft. Dorchester St., 38-42 ft., $38,312, 1,600 ft. Ontario St., 35-40 ft., $21,606, 242 ft. Paterson St., 14 ft., $1,773, 753 ft. Burnett St., 17-19 ft., $7,185, 338 ft. Island St., 45 ft., $5,357, 3,150 ft. Alma St., 30 ft., $68,800; macadam on 1,290 ft. Bourget St., 30-32 ft., $16,128, 1,153 ft. St. Augustine St., $12,369, 700 ft. St. Emelie St., 27 ft., $7,119, 900 ft. Palm St., 34 ft., $10,752; concrete sidewalks on 1,850 ft. Orleans St., 5 ft., $6,675; 2,770 ft. cement slab sidewalks in Beaubien, Le Pailleur and Belanger Sts., $1,672. H. Terreault, dir. Pub. Wks.

Ont., Dunnville—Plans 13,000 sq.yd. concrete pavement and 6,000 lin.ft. concrete

Streets and Roads (Continued)

curbing and guttering on Broad St. $40,000. F. Barber and associates, 45 Jarvis St., Toronto, engrs.

BIDS DESIRED

Massachusetts—Aug. 14, by W. F. Williams, state highway engr., Boston, 22,000 lin.ft. gravel road, 18 ft., through Worthington. $35,000.

Rhode Island—Aug. 22, by State Bd. Pub. Rds., Providence, 2.65 mi. rein.-con. paving, Federal Aid Project 19, Contr. 2308; 2.65 mi. bituminous macadam, Contr. 2309; adv. E.N.-R. Aug. 9.

R. I., Newport—Aug. 14, by Bd. Aldermen, at office of F. N. Fullerton, clk., City Hall, grading and paving Bway. from Lakes Corner to One Mile Corner, 14,250 sq.yd. concrete, 9,500 sq.yd. stone block surface.

N. Y., Brooklyn—Aug. 15, by E. Riegelmann, boro pres., Boro Hall, paving Chester, Douglass and 15th Sts., repaving Hancock St. and Meserole Ave., curbing and paving Westminster Rd., all foregoing permanent asphalt; grading, curbing and flagging Kings-highway and Lenox Rd.

N. Y., Long Island City—Aug. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on Park Lane S., 12th Ave. from Graham to Pierce Aves., 89th and 127th Sts.; grading, curbing, laying sidewalks and paving Van Alst Ave., granite block, 87th St. from Park Lane S. to Jamaica Ave. north of 85th Rd. pavement shall be asphalt block and south of 85th Rd. sheet asphalt, Beach 92nd St., sheet asphalt; paving 12th Ave. from Bway. to Pierce Ave., 45th, 89th and 127th Sts., repaving Metropolitan Ave. and Sheridan Blvd., all sheet asphalt; grading for width of 34 ft. centrally located and paving for width of 20 ft. centrally located 29th (Bradish) Ave., etc., sheet asphalt, grading for width of 50 ft. centrally located, curbing and laying sidewalks, etc., on 45th St.

N. Y., New York—Aug. 16, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading for width of 30 ft. centrally located, etc., in Magenta and Knapp Sts., Lurting, Hone and Yates Aves., unnamed street west of Eastchester Rd.; grading, curbing and laying sidewalks, etc., on West 171st St., Muliner Ave., Montgomery and Wythe Places; grading Delafield Ave.; repaving Park Ave., Fordham and Gun Hill Rds., granite block; sheet asphalt paving Mosholu Parkway, River Ave., East 157th and Doughty Sts.

New Jersey—Aug. 17, by Princeton Twp. Com., Branch Bldg., Princeton, surfacing 14,489 sq.yd. Cedar Grove Rd., bituminous concrete. Sincerbeauz & Moore, Mechanic Bldg., Trenton, engrs.

New Jersey — Aug. 20, by State Hy. Comn., Trenton, paving Route 8, Sect. 4A, Charlottesburg-Newfoundland Rd., Passaic and Morris Counties, rein.-con.; paving and 2 small bridges, etc., on Route 14, Sect. 9, Oceanview-Seaville Rd., Cape May Co., rein.-con.; paving, 3 small bridges and 5 small culverts on Route 16, Sect. 5, South Somerville-Woods Tavern Rd., Somerset Co., rein.-con. A. L. Grover, ch. clk.; adv. E. N. R., Aug. 9.

New Jersey—Aug. 27, by State Hy. Dept., Trenton, paving Route 4, Sect. 20, Manasquan River-Sea Girt, Monmouth Co., rein.-con.; curbing and paving Route 13, Sect. 5, Trenton-Lawrenceville, Mercer Co., concrete and sheet asphalt. A. L. Grover, ch. clk.; adv. E.N.-R. Aug. 9.

Pa., Latrobe—Aug. 13, by Boro. Council, 3,000 ft. Weldon St., 25 ft. willite, warrenite, bitulithic or Trinidad Lake asphalt, on broken stone and screenings, hard crushed slag and blue rock screenings or 5 in. concrete. $30,000.

Pa., New Kensington—Aug. 21, by Boro. Council, improving Freeport Rd., 3,500 cu.-yd. grading, 5,400 sq.yd. paving, etc.

Delaware—Aug. 29, by C. D. Buck, engr. State Hy. Dept., Dover, grading and paving 4.22 mi. Contr. CS 26, from Clarksville to Bethany Beach, 11,500 cu.yd. excav., 6,100 cu.yd. cement concrete pavement or slag cement concrete, etc.; 0.508 mi. Contr. CK 17, through Frederica, 1,200 cu.yd. excav., 50 tons broken stone base course, 890 cu.yd. cement concrete pavement; highway, Contr. M 8; 120 ft. temporary timber bridge 10 ft. wide, at Seaford, Contr. 42 A.

Del., Wilmington—Aug. 14, by Newcastle Co., reconstructing 1 mi. River Rd. from Lore Ave. to Bellevue Rd., 1 mi. Miller Rd. from Overly brick yard to Weldin Rd., 600 ft. Lore Ave. from Philadelphia Pike toward trolley, 1,000 ft. Ferris School Rd. from Faulkland Rd. towards Prices Corner, 2,000 ft. Lancaster Pike from Section between Ferris School Rd. and Oak Hill School, 4,000 ft. New Castle Rd. from Eden Park to Rogers Rd., 1 mi. Greenbank Rd. from Prices Corner to Newport. C. E. Grubb, Public Bldg., co. engr.

Del., Wilmington — Aug. 21, by C. E. Grubb, engr. New Castle Co., reconstructing 2.4 mi. Lancaster Pike from Loveville to Hockessin in Mill Creek Hundred, 0.91 mi. Lancaster Pike from Hockessin and extending to Pennsylvania state line, 1,100 ft. road through village of Stanton in Mill Creek Hundred.

Maryland—Aug. 21, by State Rds. Comn., Baltimore, gravel surfacing 2 mi. state highway in St. Marys Co., Contr. SM-25, J. N. Mackall, chn.; adv. E. N. R., Aug. 9.

Md., Baltimore—Aug. 15, by Bd. Awards, paving with sheet asphalt Orleans St. from Wolfe to Patterson Park Ave., Lexington St., both sides of market from Eutaw to Pearl Sts. $85,000. B. L. Crozier, City Hall, engr.

Md., Laurel—Aug. 21, by Comrs. Anne Arundel Co. (Annapolis), paving roads along southerly side of Laurel Race Track property, near here, 3,865 ft. gravel shoulders, 915 ft. macadam, 1,400 ft. reconstructed macadam and 1,550 lin.ft. resurfacing. $35,000.

Virginia — Aug. 21, by State Hy. Dept., 413 North 10th St., Richmond, improving Project F 222, Route 18, Campbell Co., 51,206 cu.yd. excav. H. G. Shirley, chn.; adv. E. N. R., Aug. 9.

W. Va., Huntington—Aug. 18 by City Comrs., grading, curbing and paving, 3rd, 11th, Stewart, Marshall, Underwood and 11th Aves., West 21st, 24th, 14th and Miller Sts., Alleys 9½ and 13½. A. B. Maupin, city engr.

Fla., Tampa—Aug. 14, by City Comn., paving and curbing Lake and Tampania Aves., Nordica and Branch Sts., 8,750 sq.yd. 2½ in. asphalt, blocks, 7,400 lin.ft. granite curbing; Campbello Ave., 20 ft., 7,850 lin.ft. granite curbing, 12,000 sq.yd. 2½ in. asphalt block, $30,000. R. D. Martin, city engr.

Louisiana—Aug. 28, by State Hy. Comn., Reymond Bldg., Baton Rouge, furnishing and laying gravel on 5.539 mi. Project 100 A, Natchitoches-Mansfield Highway, Natchitoches Parish, 4.2 mi. Project 101 A, Sabine Parish, 9.262 mi. Project 101 B, Sabine Parish, J. M. Fourmy, ch. engr.

Kentucky—Aug. 29, by State Rd. Dept., Frankfort, reconstructing 7 mi. Falmouth-Covington Rd., State Project 62-C and 21-C, Pendleton Co., 14 ft.; 485 ft. Midland Trail, State Project 17, Sect. C, Shelby Co., 18 ft. Former bids rejected. J. S. Boggs, state highway engr. Noted July 5.

O., Lakewood (Cleveland, P. O.)—Aug. 13, grading, curbing and paving 6 streets, vitr. brick or asphalt. $100,000. E. A. Fischer, City Hall, engr.

Indiana — Aug. 10, by C. Gray, state highway engr., Indianapolis, repairing 5.875 mi. Federal Aid Rd. 22, Franklin Co., 6.551 mi. Federal Aid Rd. 50-B, Orange Co., 5.054 mi. Federal Aid Rd. 58-A, Crawford Co., 6.214 mi. Federal Aid Rd. 58-C, and 5.743 mi. Federal Aid Rd. 58-D, Orange Co., 2,131 cu.yd. concrete and 73,693 lb. steel for bridges, 357,957 cu.yd. earth excav., 9,934 lb. reinforcing, 11,050 ft. concrete side ditch.

Ind., Winchester—Aug. 11, by Comrs. Randolph Co., grading and paving with crushed stone 10,583 ft. road between Greensfork and Wayne Twps., $14,700; 10,698 ft. in Washington Twp., $15,960; 5,257 ft. in Washington Twp., $7,596. R. A. Tucker, co. aud.

Michigan—Aug. 10, by State Hy. Dept., Lansing, grading and surfacing 4.83 mi. Federal Aid Project 119, Ottawa Co., 50,863 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Michigan—Aug. 15, by State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 11-24, Sects. A and B, Oceana Co., 12,819 cu.yd. excav., 64,104 sq.yd. concrete. F. F. Rogers, state comr.

Michigan—Aug. 16, by State Hy. Dept., Lansing, grading and surfacing 5.977 mi. State Trunk Line Rd. 25-2, Sect. A. Luce Co., 56,036 sq.yd. waterbound macadam. F. F. Rogers, state comr.

Michigan—Aug. 21, by State Hy. Dept., Lansing, grading and surfacing, State Trunk Line Rd. 43-4, Montcalm Co., 32,652 cu.yd. excav., 51,923 sq.yd. gravel, also State Trunk Line Rd. 43-3, Ionia Co., 65,112 cu.yd. excav., 31,675 sq.yd. gravel. F. F. Rogers, state comr.

Illinois—Aug. 20, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 29.9 mi. road, 18 ft., either concrete, 4 in. monolithic or 4 in. bituminous filled brick, bituminous concreet with and without binder course Cement will be furnished. C. H. Older, ch. highway engr.

Illinois—Aug. 29, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, paving 58.01 mi. road, 18 ft., either concrete, 4 in. monolithic or 4 in. bituminous filled brick, bituminous concrete with and without binder course. Cement will be furnished. 7.5 mi. grading involving 245,464 cu.yd. excav. and 602 cu.yd. concrete. C. H. Older, ch. highway engr.

Ill., Chicago — Aug. 15 by South Park Comrs., 57th St. and Cottage Grove Ave., grading portion of Marquette Park. J. J. Neil, secy. Adv. E. N. R., Aug. 9.

Ill., Urbana—Aug. 15, at office F. Hess, clk. Champaign Co., paving 6.633 mi. Sect. 37-15D, State Aid Route 10, portland cement concrete, 9 ft.; 24 ft. rein.-con. slab on Sect. 42B-15D, State Aid Route 10. R. F. Fischer, co. supt. highways; adv. E.N.-R. Aug. 9.

Wis., Whitewater — Aug. 11 (change of date) paving, etc., Wisconsin and Milwaukee Sts., 4,160 sq.yd. concrete, 1,250 cu.yd. earth excav. Private plans. Noted July 12.

Minn., Le Sueur Center—Aug. 17, by S. McMillen, aud. Le Sueur Co. Job 2302-B, State Rd. 14, 79,401 cu.yd. earth, 842 cu. yd. loose rock and 2,488 cu.yd. solid rock excav., 45,787 cu.yd. overhaul, 1,782 lin. ft. 12-36 in. corrugated metal culverts, 119 cu.yd. concrete culverts, 8,006 lb. steel, $25,000; Job 2303, State Rd. 5, 80,165 cu. yd. excav., 2,348 cu.yd. solid and 1,857 cu.yd. loose rock excav., 194,978 cu.yd. overhaul, 562 lin.ft. 12-36 in. corrugated metal culverts, 245 cu.yd. concrete culverts, 14,786 lb. steel, $27,000. R. F. Nichols, Le Sueur Center, engr.

Wyo., Sheridan — Aug. 27, grading, sewers, and paving with Warrenite bitulithic on concrete or bituminous cement, portland cement concrete or sheet asphalt, in Dist. 22. To exceed $25,000. A. L. Helf, clk.

Mo., St. Louis—Pitzman Eng. & Survey Co., engrs., 619 Chestnut St., taking informal bids 60,000 cu.yd. grading, average haul 400 ft., in Hampton Terrace, for Community Estate. Will take bids later on about $100,000 worth street and sewer work.

Ark., Ft. Smith—Aug. 16, by Bd. Impvts., grading and paving 17,160 sq.yd. Dist. 23, 6 in. concrete, rein.-con., vibrolithic pavement or 2 in. asphaltic on 4 in. concrete; 10,670 sq.yd. Paving Dist. 23, 6 in. rein.-con., vibrolithic concrete with integral curb. W. L. Winters, Ft. Smith, engr.

Tex., Dallas — Aug. 23, by Dallas Co., bituminous surfacing 55,500 sq.yd. Garland-Sachse Rd., ⅞ in. surface. $35,000-$40,000. Nagle, Witt & Rollins, Court House, engrs.

Tex., Pittsburgh—Aug. 30, by J. A. Efrud, judge Camp Co., grading, surfacing, crushed iron ore rock base, bituminous topping and bridging 6.19 mi. State Highway 11, 1,280 cu.yd. Class A concrete, 68,776 cu.yd. roadway and 21,552 cu.yd. borrow excav., 71,940 gal. asphaltic oil, 18,168 cu.yd. iron ore, etc. $159,475. Noted Aug. 2.

Tex., Eastland—Aug. 28, by E. L. Pritchard, judge Eastland Co., surfacing with waterbound macadam base and bituminous top 10.04 mi. State Highway 22, 19.14 mi. State Highway 23 A and 18.67 mi. State Highway 18, all 18 ft. $65,000, $125,000 and $120,000 respectively. C. S. Henning, Jr., engr. in charge. Noted July 26.

Okla., Fairfax—Aug. 14, by J. N. Fly, city clk., improving 14 blocks, Main, Elm and Mulberry Sts., 29,110 sq.yd. vertical fibre brick, 7,000 lin.ft. curbing, 11,000 lin.ft. gutter and 12,000 cu.yd. excav. $160,408. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted July 12.

Colorado—Aug. 7, by State Hy. Comn., Denver, grading, etc., 3.342 mi. State Project 713, Pitkin Co., 8,800 cu.yd. common excav., etc., $9,916; grading and gravel surfacing 2.911 mi. Federal Aid Project 71 C, La Plata Co., 13,700 cu.yd. common and 1,000 cu.yd. rock excav., 27,400 sq.yd. gravel surfacing, etc., $35,740. L. D. Blauvelt, State Office Bldg., Denver, engr.

Utah—Aug. 20, by State Rd. Comn., Salt Lake City grading and paving 1.77 mi. main street of Nephi City, Federal Aid Project 53, 2,200 cu.yd. common and 1,600 cu.yd. borrow excav., 18,800 sq.yd. concrete; improving 5.2 mi. road between Ft. Duchesne and Vernal, Federal Aid Project 10 B, Uintah Co., will be divided into three schedules as follows (1) grading entire project, 7,700 cu.yd. common and 12,300 cu. yd. borrow excav., gravel surfacing 4.5 mi. with 6 in. gravel strip, 18 ft. wide, (2) 4 timber bridges, incl. one 10 ft., one 15 ft. and two 20 ft. spans, cement rubble masonry abutments, (3) surfacing 0.7 mi. in Vernal with native asphalt, 7,520 sq.yd. asphaltic pavement, penetration type, with alternate for furnishing aggregate only for pavement in stock piles at Vernal. Bids for any or all of above schedules. H. C. Means, state road engr.

Streets and Roads (Continued)

Utah—Aug. 21, by State Rd. Comn., Salt Lake City, grading and surfacing 7.08 mi. road between Scipio and Juab Co. line, Federal Aid Project 17 A, 9,600 sq.yd. common and 4,400 cu.yd. borrow excav., 14,000 cu.yd. gravel surfacing. H. C. Means, state road engr.

Ariz., Phoenix—Aug. 14, by H. Ringer, city engr., paving portions 7th and 9th Aves., Roosevelt, Portland, Latham, West Moreland, Culver, Wiletta and Lynwood Sts., 21,418 sq.yd. 5 in. concrete, bitulithic on asphalt, or asphaltic concrete top and base, 10,950 sq.yd. 5 in. concrete or asphaltic, 18,670 ft. combined curb and gutter, 32,576 sq.yd. grading, etc. Noted Apr. 5.

Calif., Fresno — Aug. 17, by Supervs. Fresno Co., paving with 4 in. asphaltic concrete 6.7 mi. Route 2, Sect. A, 4.4 mi. Route 5, Sect. B; 5 in. asphaltic concrete 2 mi. Route 27, Sect. A, 0.6 mi. Route 28, Sect. A; asphaltic concrete paving 4 mi. Route 16, Sect. B, all 16 ft. C. P. Jensen, co. surv.

Calif., San Diego — Aug. 20, by A. H. Wright, city clk., improving Imperial Ave. through Encanto Dist.; grading, concrete curbing and sidewalks on Redwood, Palm, Bancroft, 33rd and Felton Sts. F. A. Rhodes, city engr. Noted July 26.

Calif., San Diego — Aug. 27, by A. H. Wright, city clk., improving Imperial Ave. between 32nd and 40th Sts. Noted July 26.

Calif., San Diego — Aug. 27, by Bd. Supervs. San Diego Co., grading and paving 12 mi. road from Buena to Bonsal; 1.64 mi. from Nutmeg to Lime Sts., Escondido; 3.04 mi. from Bernardo to Escondido. Former bids rejected. Noted Aug. 2.

Calif., San Jose—Sept. 4, by Supervs. Santa Clara Co., paving Lawrence Rd., 194,800 sq.ft. oil macadam. R. B Chandler, co. surv.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Aug. 1, paving (1) Dumont Ave. (2) East New York Ave. (3) East 36th St. (4) East 37th St. (5) Ave. I (6) Rutland Rd. (7) 53rd St., paving and repaving (8) Troutman St., repaving (9) Atlantic Ave. (10) Miller Ave. (11) Franklin Ave. (12) Ocean Ave. (13) 41st St., resurfacing (14) Clermont Ave., curbing and paving (15) East 26th St. (16) Ave. I, recurbing and paving (17) Lincoln Ave., all foregoing asphalt, grading, curbing and flagging (18) East 36th St. (19) East 37th St. (20) East 27th St. (21) Lenox Rd., from Borough Asphalt Co., 1301 Metropolitan Ave., (1) $2,875 (2) $41,722 (17) $9,927; Cleveland Trinidad Co., Flushing, (2) $46,768 (5) $37,873; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (3) $8,773 (4) $6,569 (7) $7,536 (11) $34,975 (15) $4,506 (16) $17,493; Uvalde Asphalt Paving Co., 1 Bway., New York, (6) $7,734 (8) $19,525 (10) $26,979; Sicilian Asphalt Paving Co., 41 Park Row, New York, (9) $32,835; M. J. O'Hara, Contg. Co., 717 65th St., (13) $12,480; Cranford Co., 52 9th St., (14) $60,628; Galecor Contg. Co., 507 Greenwich St., New York, (18) $4,562 (19) $2,463; F. Persicano, 350 Fulton St., (20) $7,900; J. M. Fox, 270 Herkimer St., (21) $4,229. Noted July 26.

New York—Bd. Water Supply, Municipal Bldg., New York City, July 31, clearing and grubbing Schoharie Reservoir and constructing diverting dam down-stream from intake at Shandaken tunnel in towns of Gilboa and Conesville, Schoharie Co., Prattsville, Greene Co., and Roxbury, Delaware Co., Contr. 205, from Rice & Ganey, Inc., 2786 Bainbridge Ave., New York City, $290,800. Noted July 19.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 31, grading sidewalk space and laying sidewalks on Clermont Ave., from J. J. O'Brien, Jr., William St., Jamaica, $1,346; curbing, laying sidewalks, etc., on Forest Ave. and recurbing, etc., George St. from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $5,105 and $6,665 respectively; repaving with improved granite blocks Grand St., from Kennedy & Smith, Inc., 93 Amity St., Flushing, $95,867; grading, curbing and laying sidewalks on Provoost St., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, $10,549; curbing and laying sidewalks on Graham Ave., from W. J. Fitzgerald, 547 West 45th St., New York City, $26,507. Noted July 26.

New Jersey—State Hy. Dept., Trenton, Aug. 6, concrete paving and reconstructing 4 concrete bridges on 38,043 sq.yd. Route 8, Sect. 4, Smiths Mills-Charlottesburg, from Weldon Constr. Co., Broad St., Westfield, 102.8% engrs. est. ($340,075); concrete paving Route 14, Sect. A, Swainton-Ocean View, Cape May Co., from Pub. Serv. Production Co., 80 Park Pl., Newark, 103.7% ($207,350). Noted July 26.

New Jersey—State Hy. Dept., Trenton, grading and 2 small bridges on Route 5, Sect. 13, Budd Lake to Netcong, Morris Co., 15,402 cu.yd. earth excav., etc., from Salmon Bros., Main St., Netcong, 85.8% engrs. est. ($61,610). Noted July 19.

New Jersey—State Hy. Dept., Trenton, Aug. 2, concrete curbing, grading, and paving Route 13, Sect. 6, Lawrenceville to Princeton, Mercer Co., 69,702 sq.yd. concrete and 4,533 sq.yd. asphalt, from Utility Constr. Co., 5 Spring St., New Brunswick, 97.75% engrs. est. Noted July 19.

Pa., Harrisburg — Paving Cameron St. from Calder to Maclay Sts., from Central Constr. Corp., 7th and Emerald Sts., 13,800 sq.yd. Bermudas asphalt, $3.75, oil residuum $3.52, 5,600 lin.ft. curb granite $1.88, granolithic $1, reset $0.50; Stucker Constr. Co., Russ Bldg., 13,800 sq.yd. Atlantic asphalt, Mexican oil asphalt $3.67, 5,600 ft. curb; granite $1.98, granolithic $1, reset $0.50.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 2.41 mi. highway, 15 ft., from Crellin to West Virginia state line, Garrett Co., Contr. G-16, from T. B. Claiborne Co., Garrett Bldg., Baltimore, $86,940. Noted July 19.

Md., Baltimore—Bd. Awards, 2,100 sq.yd. granite block repaving and 17,615 sq.yd. asphalt, Contr. 241-OONA, from Amer. Paving Co., Montebello, $81,131. Noted July 26.

Virginia — State Hy. Comn., Richmond, improving roads Route 32, Project F 184 C, Culpeper Co., from Lynchburg Constr. Co., R. F. D. 4, Warrenton, $55,491, Route 39, Project F 257, New Kent Co., from Van Doren Bros., Richmond, $126,006, Route 111, Project F 265 B, Buchanan Co., from Waugh & Longley, Bluefield, W. Va., $154,962, Route 30, Project S 318 B, King William Co., from C. H. Oliver Co., Doswell, $56,078, Route 11, Project S 131, Wise Co., from R. H. Bolling, Norton, $81,279, Route 116, Project S 223, Scott Co. from V. E. Cornett & Co., Independence, $73,523, Route 21, Project S-314, Arlington Co., from Cranford Co., 2620 East St., N. W., Wash., D. C., $51,994. Noted July 12.

Alabama—State Hy. Dept., Montgomery, July 31, improving 11.32 mi. Federal Aid Project 74, Dublin-Orion Rd., Montgomery Co., alternate bids on (1) gravel (2) sand-clay surfacing, from J. R. and J. B. Miller, Baconton, Ga., (1) $131,797; J. F. Giddens, Troy, (2) $80,991. Noted July 12.

O., Akron—Summit Co. improving 5 mi. Hudson-Richfield Rd., 20 ft., from P. T. McCourt, 369 South Main St., penetration macadam $126,867, texaco macadam $143,955.

O., Ravenna—Paving (1) Clinton St., resurfacing (2) Main St. (a) concrete (b) brick (c) oil asphalt (d) lake asphalt, from H. W. Cowles, Ravenna, (1a) $26,138 (1b) $27,080 (2c) $29,015 (2d) $29,685; J. L. McCormick, Ravenna, (1c) $25,683; Federal Asphalt Paving Co., Main and D Sts., Hamilton, (1d) $28,232.

Michigan—State Hy. Dept, Lansing, grading and surfacing 1.084 mi. State Trunk Line Rd. 17-13, Calhoun Co., 4,872 cu.yd. excav., 12,720 sq.yd. concrete, from W. H. Ryan, Jackson, $24,725; 2.456 mi. Federal Aid Project 89, Sects. A, B and C, Calhoun Co., from Rockford Constr. Co., Tecumseh, $57,670. Noted July 19.

Michigan — Improving 1.769 mi. State Trunk Line Rd. 11-22, Berrien Co., asphaltic concrete, from Northern Constr. Co., Ft. Wayne, Ind., $44,650, plus State cement; Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, $49,932.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways Springfield, July 31, concrete paving 0.89 mi. **11-9-C1 Madison means (Route 11, Federal Aid Project 9, Sect. C1, Madison Co.)** 0.84 mi. 11-9-38 and 0.23 mi. 11-9-39X, also Madison Co., from W. C. Johnson, 512 South High St., Belleville, $22,102, $38,499 and $6,968 respectively; 2.96 mi. 31-31-8X Brown, from E. J. Eiff, Quincy, $58,708; 4.08 mi. **3-55 Greene means (State Route 3, Sect. 55, Greene Co.)** and 4.35 mi. 3-58 Jersey, from Nelson Bros. & Co., Jerseyville; $82,831 (less ½% if personal bond is accepted) and $91,400 respectively, 5.48 mi. 13-7 Williamson and Saline from C. E. Hamilton, Carbondale, $116,850, 2.71 mi. 14-6 and 4.43 mi. 14-6X Franklin, from J. Webb Jones, Benton, $61,680 and $98,444 respectively, 3.1 mi. 15-23 and 3.14 mi. 15-24 Wayne, from O. Arnold, Casey, $56,499 and $57,973 respectively, 3.75 mi. 18-15 De Kalb-Kendall Co., from Trompeter & Son, Peru, $80,185, 1.52 mi. 22-13B, Will, from Hoffman Bros. Constr. Co., Hebron, $19,557, 9.27 mi. 26-4 Ogle, from C. E. Carson & Co., 601 St. Clair Ave., Chicago, $181,361 (minus 1%), 5.08 mi. 31-11 Schuyler, from List & Gifford Constr. Co., 415 Ry. Exch. Bldg., St. Louis, Mo., $117,206; grading 53,590 cu.yd. 1-2A and 37,140 cu.yd. 1-3A, White Co., from Keating Bros., Auburn, $28,663 and $16,516 respectively, 152,230 cu.yd. 1-28A White, 107,720 cu.yd. 34-1A and 69,130 cu.yd. 34-2A, Saline from Cameron & Joyce Co., Keokuk, Ia., $66,263, $50,323 and $59,907 respectively, 42,760 cu.yd. 14-6A Franklin from G. C. Paine, $28,150, 87,560 cu.yd. 1-38A, Johnson, 65,858 cu.yd. 34-4A and 279,085 cu.yd. 34-5A Hardin from H. Schweitzer, Marion, $43,956, $53,469 and $130,242 respectively, 198,990 cu.yd. 1-39A and 89,165 cu.yd. 1-40A Massac, from Cache Valley Dredging Co., Carnak, $78,536 and $42,749 respectively (minus 1% dragline), 30,950 cu.yd. 2-63A Woodford-McLean Co., from I. D. Lain, Bloomington, $21,290 (minus ½%) 132,361 cu.yd. 3-59A Jersey-Madison and 41,790 cu.yd. 3-60A Madison Co. from D. C. Condon, Omaha, Neb., $78,510 and $21,487 respectively, 18,954 cu.yd 3-67A Monroe from Tritt Bros., Belleville, $18,854; 275,612 cu.yd. **7 and 29-7-R Bureau means (Routes 7 and 29, Federal Aid Project 7 Sect. R, Bureau Co.,** from Byers-Wilson Constr. Co., Manchester, Ia., $175,073, 27,920 cu.yd. 7-55-R-1 and 7-55-14A Bureau from Finley Bros., Janesville, Wis., $14,543 and $7,695. Noted July 19.

Ind., New Albany—Bd. Pub. Wks., Aug. 3, concrete paving Charlestown Ave. from Vincennes St. to North Y, from Goulding Bros., 316 West Main St., $4.93 per lin.ft. Engrs. est. $25,000.

Tex., Johnson City—Blanco Co. grading and gravel surfacing 7.19 mi. State Highway 20 A, from Hays Co. line west, 16 ft., from H. J. Evans, 500 West 15th St., Austin, $53,357. Noted July 12.

Calif., Glendale—Paving Glendale Ave., etc., 463,160 sq.ft. 5 in. macadam, from Ducey & Breitenstein, 151 South Hill St., Pasadena, $101,171. Noted Aug. 2.

Calif., Huntington Beach — Improving Ocean Ave., 711,300 sq.ft. 2 in. willite on 4 in. asphalt concrete, culverts, manholes, etc., from G. H. Oswald, 366 East 58th St., Los Angeles, $216,000. Noted July 19.

Calif., Oakland—Alameda Co., grading and paving Livermore-Pleasanton Rd., from Kaiser Paving Co., 1st Savings Bank Bldg., $175,006. Noted July 12.

Calif., Richmond — Concrete curbing, guttering, sidewalks and paving portions Stege Ave., etc., from Hutchinson Co., Hutchinson Bldg., Oakland, $37,724. Noted July 12.

Calif., Santa Paula — Improving Santa Barbara St., etc., from Southwest Paving Co., Washington Bldg., Los Angeles, 753,000 sq.ft. 4 in. asphalt at $0.155, 82,760 sq.ft. 4 in. concrete $0.165, 16,000 sq.ft. 4 in. walks $0.15, 7,200 lin.ft. 15 in. curb $0.75, etc.; Pleasant St., etc., from J. T. Cornwall, Santa Barbara, 398,180 sq.ft. 4 in. concrete pavement $0.1575, 9,620 sq.ft. 4 in. concrete walks $0.165, 2,760 lin.ft. 15 in. concrete curb $0.18, etc., total $65,723.

CONTRACTS AWARDED

Mass., Boston—Paving 1,000 lin.ft. Harrison Ave., Essex and Chancey Sts., 20-30 ft., granite and wood block, to B. E. Grant Co., 100 Floyd St., Brookline (Boston P. O.), $35,284.

Mass., Boston—City, grading Eagle Hill for new high school, 120,000 cu.yd. earth excav., to J. C. Coleman & Sons Co., 1620 Tremont St., $97,000.

Conn., Hartford — Paving 7,000 sq.yd. Preston St., 7 in. concrete to O'Neil Bros., 983 Main St., $28,260. Noted July 26.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Cranford Co., 52 9th St., asphalt paving Bay 31st St. $6,309, Gelstone Ave. $6,788, 18th Ave. 66th St. $8,085, 70th St. $8,534, 90th St. $7,949, recurbing and asphalt paving 6th Ave. $10,774, sheet asphalt paving Dumont Ave. $7,163, 15th Ave. $8,151, 4th St. $10,741; to Cleveland Trinidad Paving Co., Flushing, Delamere Pl. $8,872, East 40th St. $18,866; to W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging Delamere Pl. $4,336; to Sicilian Asphalt Paving Co., 41 Park Row, New York, asphalt repaving Tompkins Ave. $37,585, South 5th St. $17,942; to T. B. Scott, 671 Halsey St., grading, curbing and flagging Dumont Ave. $2,443, grading sidewalk space and flagging Highlawn Ave. $932; to C. Bennett Contg. Co., 414 Rutland Rd., grading, curbing and flagging 48th St. $11,119; to Borough Asphalt Co., 1301 Metropolitan Ave., sheet asphalt paving Greene Ave. $63,999, Hegeman Ave. $3,118; to R. Lynster, 1364 Sterling Pl., grading, recurbing and reflagging Hegeman Ave. $1,775; to Galecor Contg. Co., 507 Greenwich St., New York, resurfacing Oriental Blvd. $19,389, West End Ave. $10,057, both bituminous macadam; to F. J. Gallagher, 490 Park Pl., repaving Bway. $5,304, Gold St. $23,926, both grade 1 granite. Noted July 19 and 26.

Streets and Roads (Continued)

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Cleveland Trinidad Paving Co., Flushing, repaving Corona Ave., asphalt, $8,398, grading, curbing, laying sidewalks, etc. on Roosevelt Ave. $7,452, 2nd Ave. $75,296; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, paving Greenpoint Ave., asphalt block $58,983; to Necaro Co., Inc., 97 Court St., Brooklyn, Metropolitan Ave., improved granite block $85,086; to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, grading and paving 101st St., sheet asphalt $47,484; grading, curbing, laying sidewalks etc. on Liberty Ave. $220,335, Hillside Ave. $40,080; to W. P. McDonald Constr. Co., 17 West 42nd St., New York, Woodhaven Ave. $328,987. Noted July 26.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, etc., Queens Blvd. from Gosman Ave. to Union Turnpike, to A. A. Johnson Corp., Queens Blvd., $463,029. Noted Aug. 2.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving East 90th St., to C. D. Beckwith, Inc., 2875 Bway., $15,495; 104th St., to Brusstar Constr. Co., Harlem River and 150th St., $21,301; 131st St., to Sicilian Asphalt Paving Co., 41 Park Row, $57,023; Amsterdam Ave., to Asphalt Constr. Co., 208 Bway., $161,700; repairing sheet asphalt pavements in railroad area, to Cleveland Trinidad Paving Co., Flushing, $76,800; repairing wood block and granite block pavements in railroad area, to Casper Helbock Co., Harlem River and 150th St., $49,680. Noted July 26.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves. grading etc. **Balcom Ave.** and grading, curbing, laying sidewalks on **Bronxwood Ave.**, to P. J. Donovan, 30 Church St., $24,060 and $42,296; **Walton, Thierot and Mace Aves.**, to I. F. Cavaluzzo, 1538 Walton Ave., $24,673, $12,536 and $26,900 respectively; **Paulding Ave.** and repaving **Jerome Ave.**, granite block, to P. J. Kearns Contg. Co., 2306 Creston Ave., $12,122 and $73,344 respectively; grading, curbing and laying sidewalks on **Grand Ave.**, to C. D. Beckwith, 2875 Bway., $66,136; paving **Morris Park Ave.**, bituminous concrete, to Interboro Asphalt Co., 2306 Creston Ave., $43,917; **East 172nd St.**, bituminous concrete and **Rogers Pl.**, sheet asphalt, to J. E. Gaffney, 438 East 91st St., $4,667 and $7,912 respectively; **West 192nd St.**, sheet asphalt, to Asphalt Constr. Co., 208 Bway., $19,029; repaving **West Tremont Ave.**, granite block, to Astoria Contg. Co., 169 Hunter Ave., Long Island City, $83,524, **Burnside Ave.**, granite block, to Burnside Contg. Co., 270 Burnside Ave., $35,765; **Crotona Ave.**, asphalt block, also grading, regrading etc. **Exterior St.**, to Regan Towers, Inc., 124 West 121st St., $78,031 and $39,118 respectively. Noted July 26.

N. Y., Niagara Falls—Curbing, guttering and paving 29th St., warrenite bitulithic, to Read-Coddington Eng. Co., Niagara Falls, $26,880, engrs. est. $27,700; La Salle Ave., 3 in. vertical fibre brick, to J. F. McKinney Corp., Gluck Bldg., $38,544, engrs. est. $40,700.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro Hall, repaving Post Ave., granite block, to M. I. Sachs, 246 South 9th St., Brooklyn, $49,831. Noted July 19.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Van Buren St., to J. Johnson Sons, West New Brighton, $1,050; repaving Jewett Ave., Broad, Boyd and Bay Sts., granite block, to M. I. Sachs, 246 South 9th St., Brooklyn, $91,714. Noted July 12.

N. J., Roselle — Boro Council, curbing and paving 7,300 lin.ft. Linden Rd., Locust St., 3rd, Harrison, Chandler and 9th Aves., asphaltic concrete on concrete, to J. B. Gilligan-Casey Co., 919 Broad St., Newark, $92,756.. Noted July 19.

Pa., Phila.—Repaving Chelten Ave. from Morton to Musgrave Sts., redressed granite block on concrete, Brown St. from 10th to Broad Sts., sheet asphalt and vitr. block gutters with redressed granite block at intersections, 13th St. from Spring Garden to Girard Aves., redressed granite block on concrete, to Eastern Paving Co., 401 Colonial Trust Bldg., $24,441, $37,523 and $38,863 respectively.

Pa., Pittsburgh—Allegheny Co., 5,550 ft. Beaver Rd., 20 ft., in Glen Osborne Boro., asphaltic concrete, to M. O'Herron Co., South 1st and McKean Sts.

Maryland—State Rds. Comn., Baltimore, gravel surfacing 17,500 sq.yd. in Charles Co., **Contr. Ch-27**, to J. A. Wilmer, La Plata, $30,211; 2.43 mi. **Contr. C-16**, to T. Mullan, 3945 Greenmount Ave., Baltimore, $22,488; 9,700 sq.yd. gravel resurfacing in St. Marys Co., **Contr. SM-26**, to St. Marys Constr. Co., Mechanicsville, $10,983; concrete surfacing **1.14 mi. from Cambridge to Finksburg**, to Thomas, Bennett & Hunter, Westminster, $45,062; 9,200 sq.yd. in Worcester Co., **Contr. Wo-31**, to J. R. Phillips, Berlin, $27,390; concrete shoulders, 2 mi. York R, in Govans, Baltimore Co., **Contr. B-28**, to F. B. Carozza, Govans, $20,416; macadam resurfacing, 18,300 tons rein.-con. base course stone, 14,100 tons bituminous macadam, Washington Co., **Contr. W-27**, to Development & Constr. Co., American Bldg., Baltimore, $74,401; 1,900 tons macadam, Baltimore Co., **Contr. B-57**, to T. P. Murray, Towson, $15,003. Noted June 14, July 5 and 19.

Maryland—State Rds. Comn., Baltimore, concrete paving 4.51 mi. Southern Maryland Blvd., Anne Arundel Co., Contr. AA-28, to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $155,906; grading and draining 0.86 mi. Philadelphia Rd., Harford Co., Contr. H-31, to Development & Constr. Co., Amer. Bldg., Baltimore, $9,049.

Fla., Vero—Paving 101,000 sq.yd. road, waterbound macadam with surface treatment of asphalt binder, 19,000 cu.yd. grading, to H. L. Clark & Sons, Lemon City, $148,848.

Miss., Pascagoula—Jackson Co. grading, paving and bridging Old Spanish Trail, Federal Aid Project 120, to S. A. Gano, Maison Blanche Bldg., New Orleans, La., 147,529 sq.yd. concrete $2.34, etc., total $414,355. Noted July 12.

Ky., Henderson—Paving 33 blocks Green, Elm and Main Sts., sheet asphalt and warrenite, on 6 in. concrete, to Asphalt Paving Co., Hamilton, O., $174,500. Noted July 5.

O., Akron—W. F. Peters, dir. Pub. Serv., paving and laying sidewalks on 4,420 sq. yd. Mt. Vernon Ave. and 4,730 sq.yd. Murray Ave., both standard brick, asphalt filler, 6 in. base, to McAlonan Bros., 197 West Buchtel Ave., $31,794 and $34,567 respectively; grading and laying sidewalks on 6,500 cu.yd. East South St., cinders, to J. Angelo, $12,471; resurfacing 2,875 sq.yd. Campbell St., sheet asphalt, plan B, Texaco, to T. E. McShaffrey Constr. Co., 171 South Forge St., $15,601; paving 575 sq.yd. Maiden Lane, standard brick, asphalt filler, to E. H. Rawle, 329 Walsh Bldg., $3,561. Noted July 26.

O., Bellaire—G. T. Kreglow, dir. Pub. Serv. City Bldg., to McClain Constr. Co., Bellaire, paving Colerain Lane, $5,697, Guernsey St. $13,665, Atchison Rd. $13,504. Work involves 5,033 sq.yd. concrete and 1,488 sq.yd rein.-con. Noted July 26.

O., Cleveland—Bd. Educ., East 6th St. and Rockwell Ave., grading at Sunbeam School, to A. Lang, Detroit and Lakewood Sts., Cleveland, $15,050; masonry work, to C. A. Carson Co., 7016 Euclid Ave., $23,800; landscaping, to Independence Nurseries Co., Independence, $20,268. Noted July 26.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to B. F. Patterson, 1214 Neil Ave., grading, laying necessary water services and sewer connections and paving 2,092 ft. Montrose Ave., 24 ft., asphalt, $28,476; to Franklin Asphalt Paving Co., 209 South High St., 719 ft. Park St. S., 24 ft., asphalt, $9,885, 469 ft. 8th St., 26 ft., asphalt, $6,662; to R. J. Dienst, 480 South 5th St., 1,890 ft. alley north of Norwich Ave., 20 ft., concrete $11,019, 927 ft. alley north of Fulton St., 20 ft., concrete $5,441, 409 ft. alley north of Fulton St., 20 ft., concrete $2,491; to Columbus Contg. Co., 1471 West Broad St., 501 ft. alley north of Blake Ave., 15 ft., concrete $2,475, 762 ft. alley north of Hanford St., 16 ft., concrete $4,211; to A. G. Pugh, 401 Commerce Bldg., 552 ft. alley west of 20th St., 17 ft., concrete $2,848. Noted July 26.

O, Youngstown — Paving St. Louis Ave., asphalt, to Kelly & Meyer, Youngstown, $30,522 engrs. est. $32,500; Sycamore St. to Ross & Colucci, Youngstown, $26,375, $27,500; Hazlewood Ave., to V. Olson Co., 506 Mahoning Bank Bldg., $28,389, $30,000.

Michigan — State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 53-6, Lapeer Co., to Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, 9,646 cu.yd. excav. $0.90, 21,276 sq.yd. sheet asphalt on 6 in. base $2.38, total $71,055.

Michigan—State Hy. Dept., Lansing, improving roads, **(F. A. P. 99, Kalamazoo means Federal Aid Project 99, Kalamazoo Co.)**, grading and surfacing **7.369 mi. F. A. P. 99, Kalamazoo**, to Webber Co., Ionia, 27,314 cu.yd. excav. $0.55, 161.7 cu.yd. 1:2:4 concrete and 185.5 cu.yd. 1:3:6 concrete $17, 77,837 sq.yd. 8 in. concrete pavement $1.47, total $139,675; **4.43 mi. F. A. P. 116, Kent**, to New Era Road Building Co., New Era, 48,154 cu.yd. excav. $0.55, 291.2 cu.yd. 1:2:4 concrete and 285.2 cu.yd. 1:3:6 concrete $16, 1,140 sq.yd. Class B gravel $0.85, 50,057 sq.yd. 7 in. rein.-con. pavement $1.30, total $110,038; **7.252 F. A. P. 98, Kent**, to Ford Constr. Co., Michigan City, Ind., 54,038 cu.yd. excav. $0.65, 382.7 cu.yd. 1:2:4 concrete and 280.7 cu.yd. 1:3:6 concrete $15, 85,097 sq.yd. 8 in. rein.-con. pavement $1.46, total $174,714; **0.568 mi. F. A. P. 35, Sect. F, Jackson**, to W. H. Ryan, 401 Van Buren St., Jackson, 4,380 sq.yd. asphalt, 837 sq. yd. concrete, $20,351; **6.428 mi. F. A. P. 70, Sect. D, Oakland**, will be done by day labor; **(S. T. L. Rd. 46-21, Sanilac, means State Trunk Line Rd. 46-21, Sanilac Co.), 5.523 mi. S. T. L. Rd. 46-21**, Sanilac, to G. W. Case, Kinde, 22,731 cu.yd. excav. $0.50, 138.8 cu.yd. 1:2:4 concrete $18, 223.2 cu.yd. 1:3:6 concrete $17.50, 51,845 sq.yd. gravel $0.98, total $70,711; **1.6 mi. S. T. L. Rd. 37-4, Kent**, to Vander Veen Constr. Co., 165 Lyons St. N. E., Grand Rapids, 12,344 cu.yd excav. $0.60, 18,389 sq.yd. 3 in. sheet asphalt $1.50, total $46,310; **0.717 mi. S. T. L. Rd. 59-1, Sect. A, Macomb**, to Meredith & McVaugh, 220 Horton Ave., Detroit, 5,097 cu yd. excav., 10,061 sq.yd. concrete, $26,003; **2.528 mi. S. T. L. Rd. 21-4, Sect. A, St. Clair**, to J. H. Baker & Son, Port Huron, 26,682 sq.yd. concrete, $47,336; **0.984 mi. S. T. L. Rd. 21-22, Ionia**, to Banhagel Constr. Co., Ionia, 6,593 cu.yd. excav., 11,592 sq.yd. concrete, $29,795.

Ill., La Grange—For 14,000 sq.yd. concrete paving to Foley & Riley, 1st Natl. Bank Bldg., Chicago, $54,000. Noted June 28.

Ill., Mascoutah—Concrete paving Railway Ave. and Market St., to F. C. Dieckman, East St. Louis, $29,500. Engrs. est. $30,000. Noted June 28.

Ill., Olney—For 50,000 sq.yd. paving, 31,000 ft. concrete curb, 14,000 cu.yd. excav., etc., to Wabash Constr. Co., Vincennes, Ind., $160,000. Noted July 12.

Ill., Western Springs—For 160,000 sq.yd. concrete sidewalks, to W. T. Ryan, Lyons, $50,000. Noted June 28.

Minnesota — State Hy. Dept., St. Paul, paving 10.7 mi. State Project 45-21, Federal Aid Project 12 and 326, between St. Paul and Stillwater, 95,000 cu.yd. excav., 114,000 sq.yd. concrete, to Grant Smith & Co., 1505 Pioneer Bldg., St. Paul, $388,893. Noted July 12.

Minn., Grand Rapids—Concrete paving 1,600 ft. various streets, 30 ft., to L. Lafberg, Grand Rapids, $25,000.

Mo., St. Louis—See "Sewers."

Kan., Kansas City—Wyandotte Co. concrete road from N. E. corner Sect. 27 Twp. 11 to Wyandotte Co. line, 16 ft., to Cook & O'Brien Constr. Co., 305 Railway Exch. Bldg., Kansas City, Mo. $184,462.

Kan., Leavenworth — Paving various streets, vitr. brick with asphalt filler, to J. Stanton & Son Constr. Co., Leavenworth, $68,090.

N. D., Grafton—Walsh Co. grading Project 184, west of Adams, 65,082 cu.yd. excav., etc. to Hohman-Webster & Son, Turtle Lake, $28,741, culverts, $5,345.

South Dakota—State Hy. Comn., Pierre, improving road **(F. A. P. 51, Gregory means Federal Aid Project 51, Gregory Co.)**, to Tobin & Maloney, Madison, sand clay surface on **13.65 mi. F. A. P. 51, Gregory**, and graveling **16.79 mi. F. A. P. 152A, Coddington**, $20,943 and $23,918 respectively; to W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, graveling **8.67 mi. F. A. P. 85, Clark**, $13,974, **14.18 mi. F. A. P. 96, Roberts**, $13,661, **6.11 mi. F. A. P. 124, Codington**, $7,655, **6.81 mi. F. A. P. 139, Roberts**, $7,218, **11.02 mi. F. A. P. 152B, Grant**, $13,515; to Sheehan & Bjerknes, Sioux Falls, **8.52 mi. F. A. P. 152C, Roberts**, $9,128; also one 8 x 10 ft. concrete box culvert on **F. A. P. 152 B, Grant**, to Prendergast Bridge Co., Milbank, $2,543.

Wyo., Casper—Curbing, building sewers and paving New Paving Dist. 34, 6 in. bituminous concrete to Warren Constr. Co., Casper, $77,991. Noted July 12.

Tex., Abilene—Paving with 2 in. bitulithic on black base, 40,000 sq.yd. Victoria St., etc., to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $2.52 per sq.yd. Noted July 26.

Tex., Edinburg—Hidalgo Co., to W. L. Pearson & Co., 827 First Natl. Bank Bldg., Houston, grading, surfacing with concrete base and asphalt topping 9.65 mi. State Highway 12, Federal Aid Project 375, $240,233, engrs. est. $264,256; grading, surfacing with concrete base, asphalt topping and bridging 13.74 mi. State Highway 12, Federal Aid Project 374, $379,127, engrs. est. $417,039; grading and gravel surfacing

Streets and Roads (Continued)

14.81 mi. State Highway 12, Federal Aid Project 376, $102,409, engrs. est. $118,150; surfacing with 1 in. cold mix rock asphalt topping 134,489 sq.yd. State Highway 12, Federal Aid Project 374, $75,536, engrs. est. $83,089, incl. 10% for engineering and contingencies. 97,048 sq.yd. State Highway 12, Federal Aid Project 375, $53,862, engrs. est. $59,248 incl. 10% for engineering and contingencies. Noted July 26.

Tex., Falfurrias — Brooks Co. grading, gravel and caliche surfacing 10.08 mi. State Highway 12, 790 cu.yd. concrete, 60,187 cu.yd. roadway and 20,406 cu.yd. borrow excav., etc., to W. W. Vann, Mercedes, $70,614; 18,126 cu.yd. gravel and 18,126 cu. yd. caliche to be furnished by county $35,000. Engrs. est. $115,681 incl. 10% for engineering and contingencies. Noted July 26.

Tex., Ft. Davis—Jeff Davis Co. grading, etc., 6.07 mi. State Highway 12, to J. C. Bean, Marfa, $25,627. Noted July 26.

Tex., Ft. Worth—Paving, etc. East Rosedale St., 7,400 sq.yd. 1½ in. Uvalde rock asphalt on 5 in. concrete, 2,800 ft. curbing and guttering and 2,660 cu.yd. excav., to General Constr. Co., Cotton Exch. Bldg.

Tex., Ft. Worth—Paving Jones St. from 7th to Bluff Sts., 3 in. vertical fibre brick on 5 in. concrete, to McCullum Constr. Co., F & M Bldg., $34,643. Engrs. est. $35,000.

Utah—State Rd. Comn., Salt Lake City, grading, gravel surfacing and bridging 11.5 mi. Federal Aid Projects 4-F and 4-H, Castle Dale-Ferron Rd., to J. T. Raleigh Co., 154 North 3rd St., W., Salt Lake City. Noted July 12.

Okla., Barnsdale—J. C. Blankenship, city clk., grading, curbing and paving 4,600 sq.yd. Cedar St., to M. R. Amerman, 246 Market St., Wichita, Kan., 7 in. concrete $3.15 per sq.yd., total $29,481. Noted July 19.

Calif., East San Diego (branch of San Diego)—Paving 197,193 sq.ft. Mentone, Menlo and Sierra Sts., 1½ in. willite on 2½ in. concrete, to H. G. Feraud, Baker-Detwiler Bldg., Los Angeles, $79,738.

Calif., Fullerton—Improving West Santa Fe Ave., etc., to Los Angeles Paving Co., 2900 Santa Fe Ave., 95,309 sq.ft. 5 in. warrenite at $0.235, 764,380 sq.ft. 4 in. warrenite $0.219, 2,900 lin.ft. curb $0.60, etc.

Calif., Hanford—Improving Kaweah and Ford Sts., etc., to California Constr. Co., 58 2nd St., San Francisco, 112,056 sq.ft. grading $0.035; 98,638 sq.ft. 1½ in. warrenite on 4 in. bituminous $0.234; 4,904 sq.ft. concrete curb $0.70; 6,831 ft. 5 in. concrete gutter $0.35; 2,884 sq.ft. 8 in. concrete gutter $0.54, etc.

Calif., Oroville—Butte Co. will surface 9 mi. Humboldt Rd., 7,158 yd. broken stone; Boucher and Cleveland Aves., 47,520 sq.ft. asphalt macadam, 793 tons oroken stone. Work will be done by force account under supervision of H. H. Hume, co. road engr. Noted July 19.

Calif., Napa—Napa Co., grading 7.34 mi. Monticello Rd. to A. J. and J. L. Fairbanks, 625 Market St., San Francisco, $64,083. Noted Aug. 2.

Calif., Redwood City—Grading, concrete curbing, guttering and oil macadamizing 154,443 sq.ft. various streets in Redwood Highlands Tract, to McHugh & Doyle, 3533 16th St., San Francisco, $35,492; 305,400 sq.ft. various streets in Oak Knoll Manor, to A. Teichert & Son, Ochsner Bldg., Sacramento, $91,495. Noted Aug. 2.

Ont., Kitchener—For 10,000 sq.yd. asphalt on concrete, 2,000 sq.yd. concrete, 8,100 ft. concrete curb and gutter, to Standard Paving Co., Central Chambers, Ottawa. Engrs. est. $50,000.

Industrial Works

PROPOSED WORK

Mass., Wakefield—Bd. Light Comrs. having plans prepared by Lockwood, Greene & Co., engrs., 24 Federal St., Boston, substation.

R. I., Providence — Textile Finishing Mchy. Co., 171 Westminster St., having plans prepared by Lockwood, Greene & Co., engrs., 24 Federal St., Boston, cotton storehouse, blacksmith shop and extensions to shipping building.

Conn., Hartford—F. D'Esopo, 647 Main St., had plans prepared by H. B. Sumner, 45 Gold St., 1 story and basement, 50 x 70 ft. garage, brick, plain foundation, 161 State St. $40,000.

Pa., Phila.—Budd Mfg. Co., 25th and Hunting Park Aves., soon lets contract 6 story, 100 x 325 ft. factory, with 1 story, 75 x 325 ft. annex, rein.-con., Hunting Park Ave. West of Wissahickon Rd. $350,000. Ballinger Co., 12th and Chestnut Sts., archts. and engrs.

Pa., Pittsburgh—See "Miscellaneous."

N. C., Rocky Mount—Rocky Mount Mills Co. plans 3 story, 80 x 80 ft. extension to mill. $120,000.

La., Baton Rouge—City plans election to vote on $45,000 bonds for abattoir. J. W. Bellingsley, Interstate Bldg., New Orleans, consult. engr.

Tenn., Hohenwahl — Making surveys municipal hydro electric plant. A. J. Petway, mayor.

Ky., Louisville — Dosch Chemical Co., Bernheim Lane, plans rebuilding plant, recently destroyed by fire, 7th St. and Bernheim Lane. $200,000.

Ky., Owensboro — G. W. Robinson and J. W. Boyle, plan 1 story, 100 x 500 ft. warehouse, brick. $80,000.

Ky., Paducah—M. Ferguson Hardware Co., having plans prepared by H. Jameson, Paducah, 3 story, 115 x 150 ft., warehouse and hardware store. $150,000.

O., Cleveland—Jordan Ohio Co., 4400 Euclid Ave., had plans prepared by Hubbell & Benes, 4500 Euclid Ave., 1 story, 50 x 103 ft., brick, steel and concrete garage. $40,000.

O., Cleveland—Globe Brass & Mfg. Co., 5532 Perkins Ave., having preliminary plans prepared by A. C. Wolf and F. M. Griffith, Truman Bldg., 1 story machine shop and 1 story foundry, brick and steel, East 55th St. near Bower Ave. $60,000.

O., Cleveland—Van Gastel Cleaning Co., 2420 Cedar Ave., having plans prepared by W. H. Hatch, 1114 Guardian Bldg., 3 story and basement, 34 x 77 ft. dry cleaning plant, $40,000. H. Van Gastel, mgr. Noted Oct. 5.

Ind., Jeffersonville—Interstate Pub. Serv. Co., 510 Bd. of Trade, Indianapolis, plans steam power plant on bank of Ohio River, east of here, probably 30,000 kw. capacity, $2,000,000. H. Reid, pres.

Mich., Iron River—Peninsular Power Co., 102 North Carroll St., Madison, Wis., plans 44 x 60 ft. rein.-con., brick and steel power plant, plain foundation. $250,000. Engineer and architect not selected.

Ill., Decatur—Illinois Light & Power Co., 1547 Illinois Merchants Bank Bldg., Chicago, plans power plant on Lake Decatur, here. $5,000,000. A. Lucas, ch. engr.

Wis., Cambridge — A. Krovich having plans prepared by E. A. Tough, Conklin Bldg., Madison, 1 story, 50 x 83 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000.

Wis., Milwaukee—Milwaukee Coke & Gas Co., 187 Greenfield Ave., plans to rebuild 3 story, brick and steel plant, recently destroyed by fire. $100,000. Engineer and architect not selected.

Wis., Milwaukee—Milwaukee Steel Fdry. Co., 127 South Water St., having plans prepared by A. Seidenschwartz, 290 3rd St., 1 story, 50 x 77 ft. addition, steel frame, plain foundation, South Water St. $45,000.

Wis., Milwaukee — Milwaukee Electric Railway & Light Co., 2nd and Sycamore Sts., making plans 50 x 70 ft. addition to boiler house, Edison Ave. $65,000. J. Anderson, ch. engr.

Wis., Shawano—Schweers Hardware Co. had plans prepared by H. Wildhagen, College Ave., Appleton, 2 story, brick and concrete garage, plain foundation. $40,000.

Mo., Mt. Vernon—Carnation Milk Product Co., Oconomowoc, Wis., plans 2 and 3 story, brick condensery plant, Main St., here. $200,000. Private plans.

Ark., Brinkley—W. F. Brown having preliminary plans prepared by E. W. Mann, Madison Ave. Bldg., Memphis, Tenn., 1 story, 60 x 80 ft., brick and stone garage. $45,000.

Tex., Corsicana—Navarro Ice Co. making plans ice plant, concrete and brick, South 12th St. along tracks Cotton Belt R.R. $100,000. Private plans.

Tex., Mercedes—Aug. 4, to vote on $150,000 bonds constructing municipal electric light, power, and water plant. J. E. Haynes, mayor.

Calif., San Francisco—See "Buildings."

Calif., Santa Monica — C. C. Haworth having plans prepared by A. G. Bailey, Junior Orpheum Bldg., Los Angeles, 1 story and mezzanine, 100 x 150 ft., brick garage. $40,000.

Calif., San Francisco — Great Western Smelting & Refining Co., Folsom and Spear Sts., having plans prepared by Morrow & Garren, Chronicle Bldg., 1 story foundry, concrete and steel, Spear and Folsom Sts. $80,000.

Que., Dainville — Manville Asbestos Co., Asbestos, plans plant here. $100,000.

Ontario—Continental Wood Products Co. Ltd., 166 McGill St., Montreal, Que., have been awarded rights by Provincial Government, for cutting pulp on 1,049 sq.mi. in districts of Algoma and Sudbury on condition that they build paper mill, 100 ton daily capacity. $150,000.

Ont., Bolton—J. Walshaw & Son, Ltd., plan to rebuild 2 story and basement, rein.-con. and brick plant recently destroyed by fire. $200,000. Engineer and architect not selected.

Ont., Brampton — Gummed Paper Co. plans to build addition to factory. $40,000. W. Hood, mgr.

Ont., Ft. William—Mountain Stone Co., Port Arthur, plans to build plant at Mount McKay. $100,000. H. F. Hewitson, mgr.

Ont., Oshawa — General Motors Corp., plans 2 or 3 story, rein.-con., brick and steel factory, Division St. $200,000. Engineer and architect not selected.

Ont., Toronto — Crouse Hinds Co., 7 Labatt Ave., having plans prepared by Sproatt & Rolph, 1162 Bay St., for either addition or construction new 1 or 2 story and basement, rein.-con., brick and steel warehouse, plain foundation, Labatt Ave. $150,000.

Ont., Toronto—Loblaws Grocerterias Ltd., 130 King St. E., plans 3 story and basement, rein.-con. and brick warehouse, plain foundation, St. Helens Ave. $150,000. Engineer and architect not selected.

BIDS DESIRED

Conn., Hartford—Aug. 13, by Capitol Furniture Co., 148 Temple St., 3 story, 40 x 80 ft. storehouse, rein.-con., plain foundation, Temple St. $50,000. D. A. Guerriero, 1029 Main St., archt. Noted May 10.

Conn., Hartford—Aug. 14, by A. Bergman, 261 Pleasant St., 3 story, 45 x 50 ft. storage building, brick and steel, plain foundation, Market and Pleasant Sts. $40,000. J. E. Marchetti, 721 Main St., archt. Noted June 7.

Conn., New Haven—Connecticut Co., 22 Church St., receiving bids 1 story, 68 x 210 ft. garage and machine repair shop, rein.-con., steel and brick, plain foundation, Grand Ave. $60,000. Harte & Stamur, c/o owner, engrs. and archts.

Pa., Dormont—Bartey Bros., West Liberty Ave., taking bids 2 story, 50 x 67 ft. rein.-con. and steel garage, McFarlane Rd. $40,000. Private plans.

Pa., Phila.—Aug. 22, by P. S. Tyre, archt., 1509 Arch St., 2 story and basement, 70 x 209 ft. rein.-con. sales and service building, Chelten Ave., for Koelle-Greenwood Motor Co., 6025 Germantown Ave. $100,000.

O., Toledo—Aug. 16, by Progress Laundry Co., 420 East Market St., Indianapolis, Ind., 3 story, 63 x 146 ft., rein.-con. laundry, here. $60,000. R. N. Edwards, 45 Union Trust Bldg., Indianapolis, Ind., archt. and engr.

Ill., Chicago—D. H. Patterson c/o Holton, Seeley & Co., 140 South Dearborn St., receiving bids 1 story, 125 x 135 ft., garage, fireproof, 1314-28 East 53rd St. $40,000. L. E. Russell, 25 North Dearborn St., archt.

Wis., Manitowoc—W. J. Raeuber, archt., South 8th St., taking bids 2 story, 50 x 100 ft., brick and steel foundry, plain foundation, 21st St., for Grimm Aluminum Casting Co., South 21st St. $40,000.

Wis., Racine—F. Applegate, 1043 Washington St., taking bids 1 story, 60 x 105 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $55,000. Noted June 28.

Wis., Racine — H. Koelbel, 2116-16 St., taking bids 1 story and basement, 40 x 110 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, 15th and Racine Sts. W. J. Redden, 2819 Arlington Ave., archt.

Mo., St. Louis—Toomey & Volmer Co., 3721 Cass Ave., taking informal bids 4 story and basement, 50 x 127 ft. factory, plain foundation. $75,000. Private plans.

Mo., St. Louis—Trade Realty Co., 111 North 7th St., will build 2 story, 100 x 124 ft., rein.-con. and brick garage and show room, Washington St. $55,000. Work will be done by separate contracts under supervision of N. B. Howard, archt., Arcade Bldg. Noted May 24.

Industrial Works (Continued)

Calif., San Francisco—Bekins Fireproof Storage Co., 13th and Mission Sts., receiving bids 7 story, rein.-con. warehouse, Geary and Emerson Sts. $100,000. Noted May 24.

Calif., San Francisco—Terminal Warehouse Co., 631 2nd St., receiving bids 6 story and basement, rein.-con. warehouse, Brannan St. near 2nd St. To exceed $75,000.

BIDS RECEIVED

Pa., Phila. — F. V. Nickels, archt., 15 South 21st St., July 30, 4 story, 70 x 150 ft. rein.-con. garage and service station, North Broad St., from F. Warren, 132 South 17th St. $144,527. Owners name withheld.

CONTRACTS AWARDED

Mass., South Boston (Boston P. O.)—U. T. Hungerford Brass & Copper Co., 295 Franklin St., Boston, 2 story, 80 x 240 ft. warehouse, rein.-con. and brick, O St., here, to Natl. Eng. Co., 60 Federal St., Boston. Archts. est. $125,000.

R. I., Providence—Hamilton & Hamilton, Jr., 66 Eddy St., 1 story, 53 x 200 ft. factory, brick and timber, plain foundation, Allens Ave., to C. I. Bigney Constr. Co., 184 Washington St. Archts. est. $40,000.

Conn., Manchester—Orford Soap Co., 1 story, 140 x 160 ft. storehouse, brick, plain foundation, Hilliard St., to Manchester Constr. Co., 953 Main St., South Manchester. Archts. est. $50,000. Noted July 26.

Conn., Waterbury—Lockwood, Greene & Co., engrs., 24 Federal St., Boston, 5 story, rein.-con. building, here, to J. W. Ferguson Co., 152 Market St., Paterson, N. J., for Oakville Co., Oakville St.

Conn., Waterbury—French Mfg. Co., 128 Robbins St., 1 story, 72 x 120 ft. factory, brick and steel, plain foundation, to Torrington Bldg. Co., 182 Church St., Torrington. Archts. est. $40,000.

Conn., Waterbury—Scovill Mfg. Co., 99 Mill St., remodeling factory, East Main St., to Berlin Constr. Co., Berlin. Archts. est. $50,000.

Conn., Willimantic — Rossie Velvet Co., Mystic, 2 story and basement, 50 x 100 ft. factory addition, brick and timber, plain foundation, at plant here, to O. Willard, 70 Valley St. Archts. est. $40,000.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., general contract additions and alterations at asphalt plant, 90th St. and East River, to W. W. Constr. Co., 51 East 42nd St., $49,600. Noted July 19.

N. Y., New York—G. W. Whalen, comr. Plant & Structures, Municipal Bldg., housing station, Cromwell Ave. south of West 170th St., for Street Cleaning Dept., to M. Miller Co., 709 6th Ave., $84,800. Noted July 26.

N. Y., New York—Garrison Ave. Constr. Co., c/o D. S. Lang, archt. and engr., 110 West 40th St., will build 1 story brick, steel and stone garage, plain foundation, Garrison and Bryant Aves., by day labor. $50,000.

Pa., Dubois—Miles & Co., 1 story, 50 x 80 ft. brick and steel addition to garage, to B. C. Skinner, Dubois. Archts. est. $40,000.

Pa., Pittsburgh—C. J. Allen, c/o City Deposit Bank, 2 story and basement, 66 x 200 ft. concrete and brick garage, Denny and Mifflin Sts., to Feltyberger Reed Constr. Co., Peoples Bank Bldg. Archts. est. $90,000.

Tenn., Nashville—U. S. Tobacco Co., 10th and Harrison Sts., 2 story, brick and concrete warehouse, to G. B. Howard & Co., 4th Ave. N., $40,000.

Ky., Owensboro—Owensboro Clay Products Co., brick and concrete block factory, to J. M. Cutshall & Sons, Brazil, Ind. Est. cost $50,000-$75,000.

Ky., Smiths Grove—Dark Tobacco Growers' Cooperative Assn., Bowling Green, 1 story, brick warehouse, near Bowling Green, to Raymond Contg. Co., Bowling Green, $40,000.

O., Cleveland Heights (Warrensville, P. O.)—M. J. Bender, 5510 Woodland Ave., Cleveland, 1 story and basement, 55 x 75 ft., brick and timber garage, Mayfield and Noble Rds., here, to Russell-Wales Co., 1419 St. Clair Ave., Cleveland. Archts. est. $40,000.

O., Euclid—K. F. Spieth, 3439 East Scarborough Rd., Cleveland Heights, 1 story, 40 x 100 ft., brick and timber garage and commercial building, here, to Russell-Wales Co., 1419 St. Clair Ave., Cleveland. Archts. est. $40,000. Noted July 12.

Ill., Chicago—Slaters Fireproof Storage Co., 907 Rush St., 5 story, 100 x 123 ft., fireproof warehouse, 2416-22 South La Salle St., to Anderson & Nelson, 2432 Irving Park Blvd. Archts. est. $150,000.

Ill., Chicago—Stewart-Warner Speedometer Corp., Lincoln and George Sts., 6 story, 141 x 217 ft. factory addition, fireproof, to J. Jensen c/o owner. $750,000.

Wis., Appleton — Fox River Paper Co., Water St., 1 story, 30 x 260 ft., brick and steel addition, plain foundation. South Island St., to C. R. Meyer & Sons, 50 State St., Oshkosh. Archts. est. $42,000.

Wis., Green Bay—Green Bay Newspaper Co., 315 Cherry St., 2 story and basement, 60 x 114 ft., brick and concrete plant, plain foundation, to Wisconsin Eng. & Constr. Co., 315½ Jefferson St., Wausau. Archts. est. $100,000.

Wis., Green Bay—Green Bay Sugar Co., 123 North Washington St., 2 story, 60 x 90 ft., drying plant, brick, rein.-con. and steel, plain foundation, to H. J. Selmer Co., McCartney Bldg. Archts. est. $50,000.

Wis., Madison—French Battery & Carbon Co., c/o A. O. Olman, 1133 Rutledge St., 2 story, 60 x 150 ft., rein.-con., brick and steel factory, plain foundation, to G. Nelson, 1117 West Johnson St.

Wis., Madison—University of Wisconsin will build 1 story, 50 x 80 ft. heating plant, brick, steel and rein.-con., plain foundation, by day labor. $88,000. Noted June 21.

Wis., Milwaukee—Pittsburgh Plate Glass Co., 205 Lake St., 2 story, 67 x 84 ft., brick, steel and concrete power house, plain and wood pile foundation, to Dahlman Constr. Co., 456 Bway. $70,000. Noted July 26.

Wis., New London—New London Motor Co. 1 story and basement, 60 x 120 ft., brick and concrete garage, plain foundation, to F. Schoenrock & Sons, New London. Archts. est. $40,000.

Wis., New London — M. Smith, 2 story, 38 x 120 ft., brick and concrete garage, plain foundation, to F. Schoenrock & Sons, New London. Archts. est. $40,000.

Minn., Austin—Austin Auto Co., 1 story and basement, 85 x 140 ft. garage, brick and concrete, Lansing Ave., general contract to Wagner Constr. Co., Austin. Total $45,000.

Mo., St. Louis—Toomey & Volland Scenic Co., 3737 Cass Ave., 4 story, 50 x 100 ft., rein.-con., brick and steel plant, to McKelvey Constr. Co., 911 Title Guaranty Bldg. Archts. est. $50,000.

Tex., Dallas—Brown Cracker & Candy Co., 603 Caruth St., 7 story, brick and concrete factory, Jefferson and Caruth Sts., to Hughes-O'Rourke Constr. Co., Praetorian Bldg., $275,000. Engrs. est. $300,000. Noted July 26.

Tex., Dallas—D. David, 2924 Park Row, 2 story and basement, 75 x 100 ft., brick, warehouse, Laws River and Griffin Sts., to Hickey & Montgomery, Magnolia Bldg., $40,000.

Que., Montreal—Montreal Light, Heat & Power Co., Craig St. W., 2 story, 65 x 67 ft. rein.-con. and steel sub-station, Beaumont St., to W. Irving, 26 Stanley St., $43,000.

Ont., Saulte Ste. Marie—Golden Grain Bakery Co., 52 Wellington St. W., 2 story and basement, 40 x 60 ft. rein.-con. and brick bakery, plain foundation, to McLarty Bros., Wellington St. W. Archts. est. $50,000.

Ont., Toronto—J. G. Pendrith, 970 Queen St. W., 2 story, 56 x 142 ft. concrete, brick and steel machine shop, plain foundation, King St. W., to L. E. Dowling, 167 Yonge St. Engrs. est. $50,000.

Buildings

PROPOSED WORK

Mass., Boston — School — Schoolhouse Dept., City Hall, having preliminary plans prepared by J. J. Driscoll, 6 Beacon St., rein.-con. and brick, wood pile foundation, Warrenton St. $500,000.

R. I., Exeter—Administration, etc.—State School Bd., Providence, having plans prepared by T. S. McLaughlin, archt., 72 Weybosset St., Providence, 3 story, 70 x 200 ft., brick and fireproof addition for administration and service purposes, at State School, here. $200,000.

R. I., Pawtucket—High Schools—School Dept., had plans prepared by R. C. N. Monahan, 255 Main St., 3 story, brick and steel, plain foundation, Mineral Spring Ave., $350,000; having plans made 3 story, brick and fireproof, Exchange St., $250,000.

R. I., Providence—Home—T. S. McLaughlin, archt., 72 Weybosset St., takes bids about Sept. 1, 2 story, brick and concrete, Fruit Hill, for Franciscan Mission of Mary, c/o architect. $150,000.

R. I., Woonsocket — Theatre — Whiting Realty Co., c/o Bijou Theatre, plans 3 story fireproof, Main and Federal Sts., $150,000. S. P. Whiting, pres. Engineer and architect not announced.

Conn., Manchester—Armory—Connecticut Natl. Guard having plans prepared by Payne, Griswold & Keefe, Manwaring Bldg., New London, 2 story, brick and steel, plain foundation. $175,000. Noted May 10.

N. Y., Albany—Office, etc.—E. V. Stratton Motors Co., 25 Washington Ave., plans 10 story, 60 x 140 ft., steel and brick, plain foundation. Engineer and architect not selected.

N. Y., Brooklyn—Hospital—Bikur-Cholim Hospital, Lafayette and Sumner Aves., soon takes bids brick, steel and stone, plain foundation. $1,000,000. A. Weiser, 9 West 48th St., New York, archt. and engr. Noted July 12.

N. Y., Coney Island (Brooklyn P. O.)—Hotel, etc.—Sea Gate Hotel & Bath Corp., c/o R. H. Segal, archt., 110 West 40th St., New York, soon takes bids 13 story, rein.-con. and steel, Surf Ave. and 24th St. $1,000,000.

N. Y., Long Beach—Apartment—Chanin Constr. Co., c/o S. Malkind, archt., 16 Court St., Brooklyn, having plans prepared 6 story, 100 x 120 ft. brick, steel and stone, plain foundation. $500,000.

N. Y., New York—Clubhouse—Grand St. Boys Assn. Inc., 1482 Bway., soon takes bids 5 story, brick, steel and stone, plain foundation, 106 West 55th St. Sommerfeld & Steckler, 31 Union Sq., engrs. and archts.

N. Y., New York—Hospital—Jewish Maternity Hospital, 270 East Bway., plans 75 x 125 ft., brick, steel and stone, plain foundation, 5th Ave. and 108th St. $750,000.

N. Y., New York—Office—Professional Offices, Inc., c/o Ewing & Allen, archts. and engrs., 101 Park Ave., soon takes bids 11 story, brick, steel and stone, plain foundation, 121 East 60th St. $900,000.

N. J., Camden—Business—Bell Telephone Co., 17th and Arch Sts., Phila., having plans prepared by J. T. Windrim, Commonwealth Bldg., Phila., 4 story and basement, 136 x 140 ft., steel and stone, 7th and Federal Sts., here. $600,000.

N. J., Clifton—High School—Bd. Educ. had plans prepared by Lee & Hewitt, 152 Market St., Paterson, 4 story, brick, marble and concrete, Main Ave. $500,000.

N. J., Englewood—Hospital—Englewood Hospital Assn. having plans prepared by Crow, Lewis & Wick,, archts. and engrs., 200 5th Ave., New York, brick, steel and stone, plain foundation. $1,000,000.

Pa., Cynwyd—Exchange—Bell Telephone Co., 17th and Arch Sts., having plans prepared by J. T. Windrim, Commonwealth Bldg., Phila., 2 story and basement, 84 x 85 ft. steel, brick and stone, Mill Rd. and Bentley Ave. $170,000.

Pa., Phila.—Apartment—H. L. Miller, 5427 Addison St. W., having plans prepared by R. A. Kerns, Fuller Bldg., and takes bids in October, 8 story, 45 x 230 ft., brick and steel, Overbrook and Lane Aves.

Pa., Phila. — Apartment — Wallace & Werner, arihts., 1012 Walnut St., prepared plans and will take bids during next 2 months, 6 story, 150 x 190 ft. rein.-con. brick and steel, City Line and Overbrook Ave. $500,000. Owner's name not announced.

Pa., Phila.—Exchange and Office—Bell Telephone Co., 17th and Arch Sts., having plans prepared by J. T. Windrim, Commonwealth Bldg., 2 story and basement, 73 x 214 ft. brick, steel and stone, 17th and Lombard Sts. $550,000.

Pa., Pittsburgh—Hotel and Welfare—Salvation Army, 324 Diamond St., having revised plans prepared by T. Pringle, Renshaw Bldg., and takes new bids about Oct. 1, 8 story and basement, 63 x 120 ft., 2nd Ave. and Cherry Way. $500,000.

Pa., Pittsburgh—Store and Office—A. W. Smith Co., Keenan Bldg., plans 4 story and basement, 110 x 171 ft., 6th and Smithfield Sts. $1,000,000. Engineer and architect not selected.

Md., Baltimore—Apartment—N. J. Myerberg, 210 North Calvert St., had plans prepared by J. E. Moxley, Jr., Equitable Bldg., 4 story and basement, 75 x 84 ft., brick, plain foundation, St. Paul and 25th Sts. $150,000.

Md., Baltimore—School—Johns Hopkins Hospital, Wolfe and Monument Sts., takes

Buildings (Continued)

new bids in September, 8 story, rein.-con. and brick. Monument and Wolfe Sts. $950,-000. Archer & Allen, 1 East Lexington St., archts. Noted May 3.

N. C., Asheville—Store—H. Parker plans department store, South Pack Sq. $200,000.

N. C., Concord—Hotel and Temple—Stokes Lodge having plans prepared by W. H. Peeps, 222 Latta Arcade, Charlotte, 7 or 8 story, probably brick and concrete. $200,000.

N. C., Fayetteville—Hotel—Fayetteville Hotel Co. having plans prepared by W. G. Rogers, Trust Bldg., Charlotte, and takes bids in about 50 days 8 story, 90 x 115 ft., steel, brick, stone and concrete. $250,000.

N. C., Hickory—High School—City having plans prepared by C. G. Sayre, Anderson, S. C., for high school. $225,000. Noted July 12.

Fla., Key West—Opera House, etc.—J. M. Benedo having plans prepared by S. Centurion, Havana, Cuba, and Key West, opera house, office building, etc., rein.-con. and steel, Duval St. $250,000.

Fla., Ocala—Hotel—Marion Impvt. Co. having plans prepared by F. J. James, Citizens Bank Bldg., Tampa, 10 story, 93 x 100 ft., brick and steel, Magnolia Sts. $550,000.

Miss., Biloxi—Hotel—Buena Vista Hotel Co. having plans prepared by C. Mathis, archt., New Orleans, La., 4 story, 190 x 400 ft., on beach. $150,000. J. W. Apperson, Exchange Bldg., Memphis, Tenn., and M. J. Anderson, Porter Bldg., Memphis, dirs.

La., Baton Rouge—Terminals—City plans election to vote on $350,000 bonds for terminals. J. W. Bellingsley, Interstate Bldg., New Orleans, consult. engr.

La., New Orleans—Apartment Hotel—W. L. Stevens, archt., Louisiana Bldg., preparing plans 7 story, 107 ft. high, 56 x 118 ft., rein.-con. and brick, Louisiana Ave. and Prytania St. $150,000. Owner's name withheld.

Tenn., Nashville — Apartment — E. C. Scruggs, Belmont Blvd., soon lets contract 2 story, containing 24 apartments, brick and stone, 18th and Belcourt Sts. $150,000. G. Waller, Independent Life Bldg., archt.

Ky., Covington — Station — Louisville & Nashville R.R., 9th St. and Bway., Louisville, plans brick station, here. $150,000. W. H. Courtenay, ch. engr.

Ky., Lexington—Memorial—University of Kentucky plans memorial building. $190,000. J. I. Lyle, chn. building com. Engineer and architect not selected.

O., Cleveland—Apartments—M. F. Narosny, 2435 Overlook Rd., plans two 3 story and basement, brick and timber, 1912 and 1924 East 93rd St. $160,000 each. Private plans.

O., Cleveland—College—Sisters of Notre Dame, c/o Sister Superior, Superior Ave. and Ansel Rd., plans 3 and 4 story, brick, steel and concrete college buildings, Green Rd. $350,000. Engineer and architect not selected.

O., Cleveland—Commercial—J. Klein and B. Harris, Engineers Bldg., having preliminary plans prepared by W. S. Longee, Marshall Bldg., converting 4 story, 100 x 268 ft. theatre into commercial building, 5012 Euclid Ave.

O., Dayton—School—Bd. Educ. having plans prepared by Gebhart & Schaeffer, 507 Keith Bldg., 3 story, 200 x 200 ft., rein.-con., brick and stone, plain foundation, Hickory St. $570,000.

Ill., Chicago—Apartment—M. Sidon c/o E. Steinborn, archt., 111 North Dearborn St., plans 3 story and basement, 100 x 125 ft., fireproof, Rockwell St. near Logan Blvd. $150,000.

Ill., Chicago—Apartment—Hotel—A. A. Rosenberg c/o M. Leviton & Co., archts., 123 West Madison St., plans 8 story, 50 x 175 ft., fireproof, 1226-28 Pratt Blvd. $200,000.

Ill., Evanston—Store and Office—Evanston Shops Building Corp., c/o Loewenberg & Loewenberg, archts., 111 West Monroe St., Chicago, plans 2 story, 116 x 120 ft., fireproof, Davis St. $175,000.

Wis., Madison — Academy — Dominican Sisters of Sacred Heart Academy, 2209 Monroe St., plans 4 story brick, rein.-con. and steel, plain foundation, Edgewood St. $150,000. Engineer and architect not selected.

Wis., Madison—Hospital—Bd. Health, c/o K. Corscatt, secy., 119 East Washington Ave., plans 2 story and basement, brick, rein.-con. and steel, plain foundation. $150,-000. Engineer and architect not selected.

Wis., Madison—Hospital—Wisconsin Memorial Hospital Assn., Capitol, plans 4 story addition, rein.-con., brick and steel, plain foundation. $185,000. F. Lorenz, secy. Engineer and architect not selected.

Wis., Manitowoc — Hotel — New Hotel Corp., c/o T. W. Gray, 526 North 8th St., having preliminary plans prepared by M. Tullgren & Sons Co., 425 East Water St., Milwaukee, 5 story and basement, brick and concrete, plain foundation, 10th and Washington Sts. $500,000.

Wis., Rhinelander—High School—School Bd. had plans prepared by Smith, Reynolds & Brandt, Dempsey Bldg., Manitowoc, 2 story and basement, 131 x 216 ft. and 72 x 89 ft., brick, tile and concrete, plain foundation. $350,000.

Ia., Dakotah—Court House—Humboldt Co. election Oct. 2 to vote on $225,000 bonds for 3 or 4 story and basement, court house. J. C. McFarland, aud. Engineer and architect not selected.

Minn., Minneapolis—Apartment—C. W. Nelson & Bro., 3655 Harriet Ave., having plans prepared by Ekman, Holm & Co., 302 Phoenix Bldg., 3 story and basement, 58 x 106 ft., brick, tile and stone, Bryant Ave. S. near 40th St. $150,000.

Minn., Northfield—Lodge Home—I. O. O. F. of Minnesota, c/o H. W. Phillips, 432 Globe Bldg., St. Paul, having plans prepared by W. L. Alban, 347 Endicott Bldg., St. Paul, 3 story and basement, rein.-con., brick and tile, here. $150,000.

Minn., Proctor—School—Bd. Educ. having plans prepared by E. F. Broomhall, 710 Alworth Bldg., Duluth, 2 story and basement, 125 x 200 ft., brick and tile. $300,000.

Minn., St. Paul—School—Dept. Educ., City Hall, plans 3 story and basement, rein.-con., brick and tile, Summit Ave. near Grotto Ave. $400,000. F. X. Tewes, city archt.

Kan., Great Bend—High School—City plans election to vote on $225,000 bonds for high school. E. E. Morrison, pres.

Kan., Great Bend—Hotel—A. R. Moses plans rein.-con. and steel hotel. $150,000. Engineer and architect not selected.

Kan., Great Bend — Temple — Masonic Temple Assn. plans temple. $150,000. C. F. Heaton, secy. Architect and engineer not selected.

Mo., Chillicothe—High School—Bd. Educ. takes bids about Sept. 1, 2 story and basement, rein.-con. and brick, plain foundation, West Calhoun St. $300,000. R. W. Roberts, Chillicothe, archt. Noted May 3.

Tex., Waco — Court House — McLennan Co. plans election to vote on $400,000 bonds for 7 story and basement, 80 x 127 ft., brick, stone and concrete. H. F. Cason, Cameron Bldg., archt. and engr.

Okla., Tulsa—Church—First Presbyterian Church, 7th and Boston Sts., takes bids about Sept. 1, 4 story and basement, 80 x 140 ft., brick and stone. $300,000. Hawk & Parr, 101 Magnolia Bldg., Oklahoma City, archts.

Okla., Tulsa—Jail and Police Station—Having plans prepared by M. Schultz, city engr., and soon takes bids rein.-con. and brick. $150,000.

Calif., Hanford—Store and Lodge—Hanford Lodge, B. P. O. E., having plans prepared by Swartz & Ryland, archts., Rowell Bldg., Fresno, 4 story, fireproof. $150,000. Noted May 10.

Calif., Long Beach—Bank and Office—Bank of Italy, Eddy and Powell Sts., San Francisco, plans approximately 10 story, fireproof, American Ave. and 3rd St., here.

Calif., Los Angeles—Automobile Sales—A. Costello having plans prepared by W. D. Lee, archt., 400 Sun Bldg., 4 story, 72 x 200 ft., rein.-con. $150,000.

Calif., Los Angeles—Hospital—Methodist Hospital Assn., having plans prepared by A. W. Rea and C. E. Garstang, Trust and Savings Bldg., main building 5 story and basement, 37 x 163 ft., rein.-con., and nurses building 4 story and basement, 80 x 136 ft., brick, Grand Ave. $500,000.

Calif., Los Angeles—Hotel—Wheeler & Weingand having plans prepared by L. L. Jones, 602 Grosse Bldg., 5 story, 98 x 103 ft., brick, Santa Monica Blvd. $250,000.

Calif., Los Angeles—Mercantile—Wurlitzer Co., 117 East 4th St., Cincinnati, O., plans 13 story and basement, 51 x 150 ft., 816 South Bway., here. $1,000,000. Property and construction details being handled by A. C. Blumenthal Co., Loew State Bldg., Los Angeles.

Calif., Sacramento—Store—Hale Bros., 9th and K Sts., plans 3 story, rein.-con. addition. $150,000.

Calif., San Francisco—Orphanage—San Francisco Protestant Orphan Asylum, c/o Bliss & Faville, archts., Balboa Bldg., having plans prepared 3 story administration building, six 2 story concrete and stucco cottages, and 1 story rein.-con. laundry and power house, on 10 acre site bounded by 28th and 30th Aves., Vicente and Wawona Sts. $350,000.

Calif., Santa Ana — Store and Office — Huntenlocker Co., c/o M. E. Durfee, archt., Cassou Bldg., Anaheim, having plans prepared 10 story, rein.-con., here. To exceed $250,000.

Que., Cartierville—Hospital—Community of Sisters of Providence, Decarie Blvd., plan hospital for incurables here. $500,000. Viau & Venne, 76 St. Gabriel St., Montreal, archts.

Que., Montreal—Office—Natl. City Co., St. James St., plans 10 story, rein.-con., brick, steel and stone, on St. James St. $600,000.

Que., Montreal—Temple—Masonic Temple Assn., Ltd., c/o J. J. York, chn., 2275 Notre Dame St. E., having plans prepared and takes bids in September, 10 story, 100 x 130 ft. rein.-con., steel and stone. $600,000. Engineer and architect not announced.

Que., Notre Dame De Grace—Church—Trinity Memorial Church, Claremont Ave., Montreal, plans 2 story, 83 x 169 ft., Sherbrooke and Northcliffe Aves., here. $225,-000. Ross & McDonald, Belmont St., Montreal, archts.

Ont., Toronto — Convent — Sisters of Loretto, 403 Wellington St. W., plan 3 story, rein.-con., brick and steel, plain foundation, Yonge St. $500,000. Engineer and architect not selected.

Ont., Windsor—School—Separate School Bd., 616 Pierre Ave., having plans prepared by J. P. Jacques, 3 Ouellette Ave., 2 story and basement, 8 room, rein.-con. brick and steel, plain foundation. $150,000.

B. C., Point Grey—Library—University of British Columbia, 10th and Willow Sts., Vancouver, having plans prepared by Sharp & Thompson, archts., London Bldg., Vancouver, 3 story, 100 x 120 ft., rein.-con., brick and granite, here. $350,000. P. P. Brown, London Bldg., Vancouver, engr.

BIDS DESIRED

R. I., Providence—Store and Apartment—W. R. Walker & Son, archts., 49 Weybosset St., receiving bids and open same about Aug. 15, 3 story, brick and fireproof, Dean and Washington Sts., for J. Bartley, 67 Washington St. $150,000.

N. Y., Jamaica—Bank—Lawyers Title & Trust Co., Fulton St., will build brick, steel and stone addition, plain foundation, 367 Fulton St. Work will be done by separate contracts under supervision of A. J. Thomas, archt. and engr., 15 East 47th St., New York.

N. Y., New York—Apartment—Starrett Bros., Inc., 101 Park Ave., will build 14 story, brick, steel and stone, plain foundation, Park Ave. and 65th St., by separate contracts. J. E. R. Carpenter, 598 Madison Ave., archt. and engr. Noted June 28.

N. Y., New York—Schools—Aug. 28, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn. P. S. 196, Bushwick Ave. between Scholes and Meserole Sts.; P. S. 75, Faile St. north of Whitlock Ave.; P. S. 78, Fish Ave. between Needham Ave. and Hicks Sts.; P. S. 98, West 212th St. 100 ft. westerly from 10th Ave., here. Noted June 7.

N. Y., Thiells—Hall and Industrial—Sept. 5, by M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York City, assembly hall and industrial building at Letchworth Village, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Aug. 9.

Pa., Pittsburgh—Store and Apartment—Watkins Realty Co., Vandergrift Bldg., will build 7 story and basement, 60 x 390 ft., Murray and Morrowfield Sts. $400,000. Work will be done by separate contracts. J. E. Dwyer, Forbes Murray Bldg., archt.

Pa., Ridgway—School—Aug. 25, by Bd. J. M. Schramm, secy., 2 story, 88 x 250 ft., brick, tile and stone. M. E. Kressley & Co., 134th St., Harrisburg, archts. Noted June 7.

Md., Salisbury—Hotel—Aug. 28, by B. K. Gibson Co., archts., 624 South Dearborn St., Chicago, 4 or 5 story and basement, 64 x 106 ft., steel and concrete, here, for Wicomico Hotel Co., Salisbury. $250,000.

W. Va., Institute—School—Sept. 28 by State Bd. Control, Charleston, 46 x 90 ft., brick, tile and terra cotta, at West Virginia School for Colored Deaf and Blind, here. J. S. Lakin, pres. Wysong & Jones, Odd Fellows Bldg., Charleston, archts.

Buildings (Continued)

W. Va., Montgomery—Physical Education—Sept. 28 by State Bd. Control, Charleston, 90 x 110 ft., brick, concrete, steel and terra cotta, at New River State School, here. J. S. Lakin, pres. Wysong & Jones, Odd Fellows Bldg., Charleston, archts.

S. C., Marion—School—Aug. 15, by School Bd., high school. $150,000. W. J. Wilkins & Co., Florence, archts.

La., New Orleans—Office—Aug. 16, by E. Weil, Whitney Central Bldg., 3 story, 185 x 192 ft. rein.-con., brick and steel addition to Maison Blanche Bldg., Iberville and Burgundy Sts. for Maison Blanche Co., Maison Blanche Bldg., $150,000.

O., Cleveland — School — St. Ladislaus Church, 2813 East 92nd St., taking bids 2 story and basement, 118 x 159 ft., brick, steel and concrete, East 92nd St. and Holton Ave. $150,000. W. C. Jansen, Electric Bldg., archt. Noted May 17.

O., Dayton—Alumni Hall—Aug. 21, by H. Germann, archt., Schwind Bldg., 3 story, brick, stone and steel, plain foundation, on campus, for University of Dayton. $300,000.

O., Lima—Schools—Aug. 14, by Bd. Educ, 2 schools, 2 story, 84 x 121 ft., brick, steel and concrete. $200,000. T. D. McLaughlin, Savings Bldg., archt.

Ill., Chicago—Apartment—Owner c/o M. H. Callner, 177 North State St., receiving bids 3 story, 134 x 200 ft., fireproof, Buena St. near Clarendon St. $200,000. R. Gregori, 155 North Clark St., archt.

Wis., Milwaukee—Business and Apartment—Aug. 16, by M. Tullgren & Sons, archts., 425 East Water St., 3 story and basement, 60 x 150 ft., brick and concrete, plain foundation, Wells St., for Statzer Granite Co., 723 Grand Ave. $150,000.

Wis., Milwaukee—Lodge—Aug. 15, by R. Messmer & Bros., 221 Grand Ave., 3 story and basement, 90 x 106 ft., brick, tile and concrete, plain foundation, North Ave., for Columbia Lodge, K. of P., c/o F. Alburtus, 2640 Fond du Lac Ave. $150,000.

Wis., Wauwatosa—Home—Aug. 15, by R. Messmer & Bros., archts., 221 Grand Ave., Milwaukee, 3 story and basement, 80 x 167 ft., brick and concrete, plain foundation, West Main St., for Evangelical Kinderfreund Society, West Milwaukee Ave. $150,000. Noted July 12.

Ia., Boone — High School — Aug. 13 (change of date) by R. T. Duckworth, secy. School Bd., 3 story and basement, 85 x 132 ft., rein.-con., brick and stone addition. $150,000. Dougher, Rich & Woodburn, 320 Valley Natl. Bank Bldg., Des Moines, archts. Noted July 12.

Ia., Glenwood—Childrens—Aug. 11, by State Bd. Control, Des Moines, 4 story and basement, 100 x 120 ft. concrete, brick and stone, State Institution Grounds, here. $150,000. J. H. Strief, chn. H. F. Liebbe, state archt.

Tex., Groesbeck—Courthouse—Aug. 18, by Limestone Co., 3 story and basement, 104 x 168 ft., brick, stone and concrete, plain foundation. $400,000. Joor Eng. Co., Slaughter Bldg., Dallas and Midwest Eng. Co., Amarillo, engrs. Noted May 10.

Tex., Houston — Y.W.C.A. c/o Briscoe & Dixon, archts. and engrs., Carter Bldg., taking bids brick, stone and concrete building, Dallas and Crawford Sts. $200,000.

Calif., Glendale—Hotel and Apartment—A. G. Lindley and C. Selkirk, archts., Amer. Bank Bldg., Los Angeles, receiving bids 5 story and basement, rein.-con. and tile, East Bway. and Glendale Ave., here, for Ambrosini Hotel Co., c/o architects, $350,000. Noted Apr. 26.

Calif., Los Angeles—Store and Office—Walker & Eisen, archts., Pacific Finance Bldg., receiving bids 13 story and basement, 55 x 168 ft., rein.-con., for Eighth & Olive Holding Co. $700,000.

Calif., Los Angeles—Store and Office—Walker & Eisen, archts., Pacific Finance Bldg., taking bids 12 story and basement, 120 x 137 ft., rein.-con., Hollywood Blvd. and Vine St., for Taft Realty Co., 5751 Hollywood Blvd. $850,000. Noted May 24.

BIDS RECEIVED

N. Y., New York—Bath House—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 1, general contract incl. electrical work for both house at 35 West 134th St., from T. A. Reilly Co., 48 East 41st St., $318,000; plumbing and water supply systems and gas fittings, from S. L. Snyder Co., 260 West 41st St., $29,585; heating and ventilating system, from Austin Eng. Co., 124 West 42nd St., $28,972.

Ill., Edwardsville — High School.— Bd. Educ., 2 story and basement, rein.-con. and brick, Hadley Farm, general contract from J. L. Schwager, Edwardsville, $133,845; heating from Elliott & Barry, 1426 Ohio St., St. Louis, Mo., $26,218.

Ia., Burlington—Municipal—City, general contract 3 story and basement, rein.-con., brick, tile and stone, from R. C. Elvin & Co., 852 Plymouth Bldg., Minneapolis, Minn., $115,940. Noted Nov. 2.

Tex., Austin — Biology — University of Texas, general contract 3 story and basement, 65 x 192 ft., from Wattinger Bros., Littlefield Bldg., $318,640. Engrs. est. $300,000.

CONTRACT AWARDED

N. Y., Elmhurst—Clubhouse—Lodge 878 B.P.O.E., 226 Mott Ave., Long Island City, 4 story, 75 x 116 ft., brick and stone, Queens Blvd. and Simonson Pl., here, to G. H. McEntee & Co., 103 Park Ave., New York. Archts. est. $800,000.

N. Y., New York—Apartment—Rothaus Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 110 ft., Morris Ave., by day labor. $200,000.

N. Y., Troy — Laboratory — Rensselaer Polytechnic Institute, 4 story and basement, 55 x 75 ft. addition to Russell Sage Electrical laboratory, rein.-con. and brick, plain foundation, 8th St., to Foundation Co., 120 New York City, $195,125. Archts. est. $198,000.

N. Y., Troy—Police. etc.—Bd. Contr. & Supply, 3 story and basement, 64 x 125 ft., brick and steel, headquarters for Police, Fire and Water Depts., plain foundation, State St., to C. F. Crowley, Troy, $220,300. Noted July 19.

Pa., Baden — Chapel — Mt. Gallitzin Academy, 2 story and basement, 54 x 135 ft., Beaver Rd., general contract to Duquesne Constr. Co., Cypress and Aspin Sts., Pittsburgh. Archts. est. $150,000.

Pa., Johnstown—Store—Capital Amusement Co., 3 story and basement, 80 x 132 ft., Vine and Franklin Sts., to W. H. Smith & Sons, Johnstown. Archts. est. $150,000.

Pa., Phila.—Apartment—Walnut Constr. Co., 48th and Walnut Sts., will build 4 story, 140 x 195 ft. rein.-con., brick and steel, 48th and Walnut Sts., by day labor. $350,000. Stotler & Deysher, 1521 North 52nd St., archts.

Pa., Wilkinsburg—Church—Mifflin Ave. Methodist Episcopal Congregation, 1 story and basement, 67 x 100 ft. stone and brick addition, Mifflin Ave., to Hodder Constr. Co., 817 Talbot St., Braddock. Archts. est. $150,000.

N. C., Charlotte—Store—J. B. Ivey & Co., 13 North Tryon St., 5 story and basement, 86 x 237 ft., brick, concrete and steel, to McDevitt-Fleming Co., McC and Lindsey Sts., Chattanooga, Tenn., $300,000. Steel contract awarded some time ago. Noted May 31.

O., Cleveland — Apartment — M. Morris, 1829 Grasmere Ave., 3 story and basement, 39 x 145 ft., brick, 2043 East 77th St., to Wimkur Bros., 9305 Pierpont Ave. Archts. est. $150,000. Noted June 21.

O., Cleveland — Store — McCrory Stores Corp., 1107 Bway., New York City, 4 story, 60 x 110 ft., brick, steel and concrete, 2041 East 4th St., to S. W. Emerson Co., Union Bldg. Archts. est. $160,000. Noted June 7.

O., Columbus — Journalism, etc. — Bd. Trustees Ohio State University, constructing journalism building, 2 story and basement, 80 x 117 ft., also 1 story, 105 x 220 ft. addition to chemistry building, both brick and concrete, on campus, to D. W. McGrath, 255 Broad St., $67,500 and $141,000 respectively. Noted Aug. 2.

O., Logan—Court House—D. M. Heft, aud. Hocking Co., 3 story and basement, 70 x 117 ft., rein.-con., brick, and cut stone, to E. H. Latham, 60 East Broad St., Columbus, $176,900. Noted Aug. 2.

Ill., Chicago—Church—St. Columbanas Catholic Parish, c/o J. Burns, archt., 64 West Randolph St., 1 story, 80 x 189 ft., fireproof, 71st and Calumet Sts., to Joslyn Bros., 7118 Eberhart Ave. Archts. est. $350,000. Noted July 26.

Ill., Chicago—Theatre, Store and Office—D. S. Klafter, archt., 64 West Randolph St., 2 story, 125 x 126 ft., fireproof, 3940-46 Fullerton Ave., to Thogerson & Erickson, 4804 North Kedzie Ave. Archts. est. $750,000. Owners name withheld. Noted June 28.

Ill., Monmouth—Gymnasium—Monmouth College, 2 story, rein.-con. and brick, to D. P. Lorenz Co., Moline. Archts. est. $228,000.

Wis., Clinton—High School—Bd. Educ., 2 story, 60 x 180 ft., brick, rein.-con. and steel, plain foundation, to O. Zahn, Sullivan. Archts. est. $150,000.

Wis., Rice Lake — Church — Bethany Lutheran Congregation, 68 x 100 ft., brick and tile, plain foundation, to C. W. Peterson, Milltown. Archts. est. $150,000. Noted Aug. 2.

Wis., West Allis—Theatre—Greenfield Ave. Bldg. Corp., c/o H. W. Bourne, pres., 662 72nd Ave., 2 story and basement, 70 x 120 ft., brick and concrete, plain foundation, to Pfeifer Constr. Co., 586 66th Ave. Archts. est. $150,000. Noted June 7.

Ia., Davenport—Bank and Office—Union-Davenport Trust and Savings Bank, 7 story, brick, steel and stone, 3rd and Brady Sts., to Hoggson Bros., 485 5th Ave., New York City. Archts. est. $850,000.

Ia., Des Moines—Clinic—Medical Clinic, 505 Commonwealth Bldg., general contract 4 story and basement, 40 x 125 ft., rein.-con., brick and stone, 10th and Grand Sts., to Sugarman Constr. Co., 8th and Tuttle Sts., $160,180. Noted July 19.

Minn., Minnetonka Beach—Club—Lafayette Club, c/o C. M. Harrington, pres., 712 Chamber of Commerce, Minneapolis, 2 and 3 story and basement, 90 x 247 ft., brick and stucco, general contract to Madsen Constr. Co., 848 Builders Exch. Bldg., Minneapolis. Cost complete $300,000. Noted May 31.

Wyo., Casper—Office—F. L. Cottman, 1st and Beech Sts., general contract for 2 story and basement, (ultimately 6 story), 75 x 100 ft., rein.-con., West 2nd St., to Larsen & Jourgensen, West Midwest Ave., $91,682.

Mont., Missoula—Hospital—St. Patricks Hospital, Pine and Owens Sts., 4 story and basement, rein.-con., brick, tile and terra cotta addition, to Huetter Constr. Co., North 1101 Division St., Spokane, Wash. Archts. est. $150,000.

Tex., Texarkana—Office and Bank—Texarkana Natl. Bank, general contract 4 story and basement, to Murch Bros. Constr. Co., St. Louis, $250,000.

Calif., Los Angeles—Hotel—A. E. Mortimer and G. Witte, Chapman Bldg., 5 story and basement, rein.-con., 2nd and Figueroa Sts., to Los Angeles Building & Contg Co., Marsh-Strong Bldg., Los Angeles. $267,000. Noted May 10.

Calif., Los Angeles — Office and Loft — Southern California Gas Co., 950 South Bway., 4 story and basement, rein.-con., 7th St. and Santa Fe Ave., to Foundation Co., Higgins Bldg., $275,000.

Que., Montreal—School—Catholic School Comrs., 3 story, 60 x 185 ft. rein.-con. brick, steel and stone, St. Joseph Blvd. to J. C. Frehette, 324 Breboeuf St. $150,000.

Que., Outremont — School — Bd. Protestant School Comrs., 4 story, 77 x 210 ft. rein.-con., brick, steel and stone, Lajoie St. to A. and D. Boileau, 245 McDonald Ave. $250,000.

Federal Government Work

PROPOSED WORK

Miss., Gulfport—Breakwater—U. S. Engineer plans 1,400 ft. breakwater at ship basin, here. E. North, U. S. E. C., Mobile, Ala., engr. in charge.

Md., Annapolis—Water Supply Improvements—Spec. 4890—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans improvements to water supply, here.

D. C., Anacostia—Hangar—Spec. 4868—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids landplane hangar, here.

Wash., North Head—Quarters, etc.—Spec. 4895—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans barracks quarters and engine house, here.

Wash., Puget Sound — Repairs — Spec. 4894—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to Marine Quarters, 1, 2, 3 and 4, here. Bids to be opened at local yard.

Calif., San Diego — Storehouse — Spec. 4809—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids paint and oil storehouse, here.

H. T., Honolulu—Dredging—Spec. 4891—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging at Naval Wharf, here. Bids will be opened at local yard.

BIDS DESIRED

Pa., Phila.—Repairs—Aug. 28, by J. M. Hoffman, Division of Docks and Wharves, Navy Bldg., Wash., D. C., repairs to substructure and deck of portions Piers 97, 98

Federal Government Work (Continued)

Ala., Mobile—Pontoon Pipe—Aug. 30 at office U. S. Engineer, Mobile, 1,200 ft. pontoon pipe. Adv. E.N.-R., Aug. 9.

Tenn., Memphis—Hose—Aug. 14 at office Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., furnishing and delivering rubber hose; adv. E.N.-R. Aug. 9.

Neb., Mitchell—Siphon—Sept. 12 at office Bureau Recl., Mitchell, constructing Stiver Canyon concrete siphon, Sta. 5685 on Ft. Laramie Canal, North Platte Project, Nebraska-Wyoming, near Haig, Neb. D. W. Davis, comr.; adv. E. N. R. Aug. 9.

Colo., Denver—Pistons, etc.—Sept. 12 at office Bureau Recl., Denver, furnishing 2 pistons and valves in Elephant Butte Dam, Rio Grande Project, New Mexico-Texas. D. W. Davis, comr. Adv. E.N.-R., Aug. 9.

Ore., Klamath Falls—Dam—Sept. 12, at office Bureau Recl., Klamath Falls, furnishing materials (except cement and metal work) and constructing Gerber Dam. D. W. Davis, comr.; Adv. E.N.-R. Aug. 9.

Calif., Petaluma—Dredging—Aug. 30, at office U. S. Engineer, Custom House, San Francisco, dredging 327,000 cu.yd. in Petaluma Creek, Sonoma Co.

BIDS RECEIVED

Delaware—Excavation—U. S. Engineer, Wilmington, completing, widening and dredging Chesapeake and Delaware Canal, creating new entrance from Delaware Bay and improving entrance at Chesapeake Bay, Delaware and Maryland, 6,000,000 cu.yd. excav., (1) Sect. A, 5 mi. (2) Sect. B, 3 mi. (3) Sect. D, 7 mi., from Arundel Corp., Pier 2, Pratt St., Baitimore, Md., (1) $0.139 (2) $0.139 (3) $0.40; Atlantic Gulf and Pacific Co., 13 Park Row, New York City, (1) $0.1244 (2) $0.1547 (3) $0.2447; Delaware Dredging Co., 139 South 3rd St., Phila., Pa., (1) $0.1678 (2) $0.1848. Noted July 5.

D. C., Wash.—Intake Chamber, etc.—U. S. Engineer, 250 Old Land Office Bldg., Items A, B and C being intake chamber, cut and cover conduit and tunnel respectively of water supply conduit for Dist. of Columbia, from Empire Eng. Co., 216 East Lexington St., McLean Contg. Co., Fidelity Bldg., Arundel Corp, Pier 2, Pratt St., and M. A. Long Co., 2016 West North Ave., all contractors located in Baltimore, Md. Noted June 28.

Virginia—Quarters, etc.—Spec. 4855—Bureau Yards & Docks, Navy Dept., Wash., D. C., inspectors quarters, stable and garage, at Naval Ammunition Dept, St. Juliens Creek, here, (1) work complete, from H. A. Tignor, 321 Polk St., Hampton, (1) $31,486 (2) $4,925 (4) $625 (5) $125. Noted June 14.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, furnishing 240,000 ft. yellow pine No. 2, common or better, for Dam 46, Ohio River, main items, 1,760 pieces 2 x 12 in. x 22 ft., 1,100 pieces 1 x 4 in. x 12 ft., and 4,000 pieces 1 x 4 in. x 18 ft., from Allied Sales Corp., Tuscaloosa, Ala., $8,939.

CONTRACT AWARDED

N. Y., New York—Dredging—U. S. Engineer, 2nd Dist., Army Bldg., removing St. George Shoal, New York and New Jersey Channels, to G. H. Breyman & Bros., 17 Battery Pl., $7,200.

La., New Orleans—Pumps—U. S. Engineer, 329 Custom House, furnishing two 20 in. dredge pumps to Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., $11,200. Noted July 12.

Tenn., Memphis—Tanks—District Engineer, Mississippi River Dredging Dist., P. O. Box 1017, two 20,000 bbl. fuel oil tanks, at U. S. Dredge Depot, here, to Walsh & Weidner Boiler Co., Main and Sycamore Sts., Chattanooga, $26,494. Noted June 21.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, furnishing yellow pine No. 1 common, 1300 pieces, 6 x 8 in. x 20 ft., 250 pieces 4 x 6 in. x 20 ft., 120 pieces 2 x 4 in. x 10 ft. etc., to King Sparrow Lumber Co., Hattiesburg, Miss., $32 per M ft. Noted Aug. 2.

Ky., Louisville—Pump—U. S. Engineer, P. O. Box 72, deep well centrifugal pump, double stroke, 8 in. drop pipe, for Dam 44, to Belknap Hardware & Mfg. Co., 2nd and Washington Sts., $2,230. Noted July 26.

Ill., Great Lakes—Incinerator, etc.—Spec. 4864—Bureau Yards & Docks, Navy Dept., Wash., D. C., incinerator chimney and flue, here, to Continental Chimney Co., Inc., 118 North La Salle St., Chicago, $6,795 (60 days). Noted July 26.

Tex., Galveston—Dredging—U. S. Engineer, Galveston, dredging in Texas City Channel, to J. Jacobson, 2311½ Ave. C, $24,780. Noted June 28.

Calif., San Diego—Filling—Spec. 4888—Bureau Yards & Docks, Navy Dept., Wash., D. C., additional filling, here, to H. G. Fenton, Dewey St., $0.60 per cu.yd., total $3,000 (30 days). Noted July 26.

Calif., San Diego—Roads and Walks—Spec. 4871—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads and walks at Naval Operating Base Hospital, here, to H. H. Peterson, 356 Spreckles Bldg., $7,627 (70 days). Noted July 12.

Miscellaneous

PROPOSED WORK

Shipping Platform — Pittsburgh, Pa.—H. J. Heinz Co., 1062 Main St., having plans prepared by Hunting & Davis, engrs., Century Bldg., 2 and 3 story, 25 x 500 ft. rein.-con. and steel shipping platform, Progress St. $175,000.

Park—Baton Rouge, La.—City plans election to vote on $75,000 bonds for park. J. W. Bellingsley, Interstate Bldg., Ned Orleans, consult. engr.

Transmission Line—Kentucky—Louisville Ry. Co., Traction Bldg., Louisville, plans 6 mi. transmission line from Scotts Station to Shelbyville. $45,000. G. A. Bogard, ch. engr.

Grain Elevator—Louisville, Ky.—R. D. Reidling, 18th and Magnolia Sts., plans rebuilding grain elevator recently destroyed by fire. $40,000.

Levee—Caledonia, Minn.—Houston Co. Drainage & Conservancy Dist. 1, plans levee and pumping station. $428,000. Central States Eng. Co., 602 Laurel Bldg., Muscatine, Ia., engrs.

Stadium — Louisville, Ky.—Du Pont Manual Training High School plans stadium between Texas Ave. and Eastern Parkway. $200,000.

Transmission Line — Shullsburg, Wis.—Northern Mines Co. plans high power transmission line. $25,000. A. Rodhams, supt. Private plans.

Elimination of Grade Crossings—Dallas, Tex. — Gulf, Colorado & Santa Fe R.R., Union Station, plans elimination of grade crossings by elevation of railway tracks on Haskell Ave., Ervay, Harwood and Merlin Sts. and over Missouri, Kansas & Texas R.R. tracks. $1,000,000. City to pay part of cost. F. Merritt, ch. engr. E. A. Kingsley, city engr.

Subway — Long Beach, Calif.—Having plans prepared subway under Ocean Blvd. near foot of Pine St. $75,000. R. D. Van Alstine, Long Beach, engr.

Gas Main — Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., plans 7,660 ft. 24 in. c.i. gas mains from Rosedale and Sherbrooke Sts. Notre Dame de Grace to Grand Blvd. and Cote St. Luke Rd., 24,340 ft. 20 in. c.i. gas mains from Grand Blvd. to Graham and Beaumont Sts., Outremont. $250,000. E. S. Stanton, supt. gas distribution.

Pipe — Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., soon takes bids 35,000 ft. 20 and 24 c.i. pipe. E. S. Stanton, supt. gas distribution.

BIDS DESIRED

Foundation Wall, etc.—New York, N. Y.—Aug. 17, by W. H. Gompert, archt. Flatbush Ave. extension and Concord St., Brooklyn, foundation wall, piers, trap pits, etc., at George Washington High School, Audubon Ave. about 432 ft. north of West 190th St., here.

Underground Fire Alarm System—St. George, N. Y.—Aug. 14, by T. J. Drennan, fire comr., Municipal Bldg., New York, portion of underground fire alarm system, here.

Sand Clay Gravel—Baton Rouge, La.—Aug. 21, by State Hy. Comn., Reymond Bldg., furnishing 13,160 cu.yd. sand clay gravel not less than 60% stone or 4,389 cu. yd. sand clay gravel 40% stone, for highway work in Red River Parish. J. M. Fourmy, ch. engr.

Underpass—Alabama—Aug. 28, by State Hy. Dept., Montgomery, highway underpass and approaches under tracks of Southern Ry. Co., part of Federal Aid Project 108, (1) approaches, 5,787 cu.yd. excav., 33.72 cu.yd. Class A concrete culverts, 3,349 lb. steel reinforcing, 2,600 sq.yd. plain cement concrete base course, 2,455 sq.yd. asphaltic concrete surfacing, (2) underpass, one 38 ft. steel girder complete in place, 40 cu.yd. Class A concrete, 150 cu.yd. Class B concrete, etc. W. S. Keller, state highway engr.

Tunnel—Colorado—Sept. 12, by Moffat Tunnel Comn., 1731 Araphoe St., Denver, 6.04 tunnel on line of Denver & Salt Lake Ry., 50 mi. from Denver, 24 ft. high, 16 ft. wide, paralleled by pioneer or water tunnel, 8 x 8 ft. R. H. Keays, ch. engr.; adv E. N.-R. Aug. 9 Noted July 26.

Levee—Oroville, Calif.—Aug. 15, by C. Bloom, secy. D. D. 200, at office Bd. Supervs., constructing levee, 100,000 cu.yd. earth work in levee and 14,000 cu.yd. earth work in ditches. W. Green, Biggs, engr. Noted Aug. 2.

Ties—Montreal, Que.—Aug. 15, by W. H. Grant, genl. tie agt., Room 802, Canadian Natl. Express Bldg., supplying ties for 1924.

BIDS RECEIVED

Levee—Sacramento, Calif.—Removal of Y St. levee, 144,744 cu.yd. earth excav., from Byrne-Yost-Treatster, 2512 N St., $60,049.

CONTRACTS AWARDED

Heating and Ventilating Apparatus, etc.—Arverne (Far Rockaway, P. O.)—**N. Y.**—Bd. Educ., 500 Park Ave., New York, heating, ventilating and temperature regulating apparatus, in P. S. 42, Beach 66th and Thursby Sts., here, to Raisler Heating Co., 129 Amsterdam Ave., New York, $85,200. Noted Aug. 2.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., New York, heating, ventilating and temperature regulation apparatus, in P. S. 190, Sheffield Ave., here, to Raisler Heating Co., Inc., 129 Amsterdam Ave., New York, $83,990; in P. S. 100, West 3rd St., here, to Gillis & Geoghegan, Inc., 537 West Bway., New York, $84,790. Noted Aug. 2.

Heating and Ventilating Apparatus, etc.—New Brighton, N. Y.—Bd. Educ., 500 Park Ave., New York, heating, ventilating and temperature regulating apparatus, for addition to Curtis High School, Hamilton Ave. and St. Marks Pl., here, to D. J. Rice, 405 Lexington Ave., New York, $39,770. Noted Aug. 2.

Bituminous Road Material, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., bituminous road surfacing material, to Barrett Co., 40 Rector St., $3,300; asphaltic cement, to Warner-Quinlan Co., 79 Wall St., $6,288; asphaltic wearing surface sand, to C. and C. Contg. Co., 324 Jay St., Brooklyn, $6,030. Noted July 19.

Wall—Harrisburg, Pa.—Rein.-con. river wall and walk, 1,200 ft. long, to Pyramid Constr. Co., Harrisburg, $55,446.

Tail Race, Gates, etc.—Marinette, Wis.—Menominee & Marinette Light & Traction Co., excavation of tail race, additional vertical units, and additional flood and sluice gates, to M. L. Weber, % owner. Noted June 28.

Power Unit, etc.—Peshtigo, Wis.—North Eastern Power Co., 559 Marshall St., Milwaukee, will build 4,000 kva. unit in power plant and strengthening old dam incl. new abutments, gates, etc., by day labor under supervision of Mead & Seastone, engrs. Journal Bldg., Madison, Noted June 28.

Coal Elevator—South Beloit (Beloit, Wis. P.O.), **Ill.**—Keeler Lumber and Fuel Co., 108 State St., Beloit, Wis., 60 x 100 ft. rein.-con. and timber coal elevator, 36 ft. high, here, to J. Cliff, Bluff St., Beloit. Engrs. est. $30,000.

Culvert—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, 467.5 ft. rein.-con. culvert, 32 ft. inside diameter at base, to carry Delmar Blvd. over River Des Peres, to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., $130,636. Engrs. est. $131,000. Noted Aug. 2.

Foundations — Ft. Worth, Tex.—Smith Bros. Grain Co., 601 East 6th St., foundations for addition to grain elevator, 8 tanks 16 x 75 ft., 33 x 75 ft. base, concrete, to Jones-Hettelsater Constr. Co., 706 Mutual Bldg., Kansas City, Mo., $25,000. Noted July 12.

Grand Stand — Wichita Falls, Tex.—Texas Oklahoma Fair Assn., 384 ft. steel grand stand, 38 x 73 ft., to Kansas City Structural Steel Co., 704 Orear-Leslie Bldg., Kansas City, Mo., $30,000.

Pipe Line—Hood River, Ore.—Pacific Power & Light Co., Gasco Bldg., Portland, 2.5 mi. 12 ft. diameter, wood stave pipe under 200 ft. head at Powerdale Project, here, to Continental Pipe Mfg. Co., 4519 14th St., N. W.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Aug. 27.

Abutments and Approaches for Bridge

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of new abutments and approaches for Bridge No. 43, at M. P. 100.9 on State Highway Route No. 4, over Luppatcong Creek, in the municipality of Keyport, County of Monmouth, State of New Jersey.

Bids for the above will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, August 27th, 1923, at 11:30 A.M., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond form for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, New Jersey. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, New Jersey. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Sept. 5.

Building Construction, etc.

Letchworth Village, Thiells, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Completion of Assembly Hall and Industrial Building (Girls' Group), at Letchworth Village, Thiells, N. Y., will be received by Mr. Mortimer B. Patterson, President of the Board of Managers of Letchworth Village, at No. 7 Wall St., New York City, until 11 o'clock A.M. (Standard Time), Wednesday, September 5, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit, consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to

OFFICIAL PROPOSALS

whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within (30) thirty days after official notice of award of contract, and in accordance with the terms of Specifications Nos. 4102, 4103, 4104 and 4105. The right is reserved to reject any or all bids. Drawings and specifications may be examined at Letchworth Village, Thiells, N. Y., at No. 7 Wall St., New York City; at the New York office of the Department of Architecture, 18th floor, Fuller Building, Broadway and 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: August 2, 1923.

Bids: Aug. 15.

Road Work

Urbana, Ill.

Notice is hereby given that sealed proposals will be received in the office of the County Clerk at the County Court House until 2:00 P.M., August 15, 1923, for the road and bridge work listed below:

Plans and proposals will be available in the office of the County Clerk or the County Superintendent of Highways, Urbana, Illinois. Plans may be obtained for temporary use in inspecting the road by depositing a check for $25.00 with the County Superintendent of Highways. The check must be made payable to the County Treasurer of Champaign County. On the return of the plans in good condition within the time specified said check will be returned to the contractor, otherwise the said check will become the property of the County of Champaign.

All proposals shall be made on forms furnished by the County of Champaign and obtained at the office of the County Superintendent of Highways. These shall be sealed in envelopes provided for that purpose and endorsed, "Proposal for Highway Work in Champaign County, Section ———, Route ———." Proposals sent by mail in addition to being endorsed as above shall be enclosed in a second or outer envelope, and addressed to, "County Clerk of Champaign County, Urbana, Illinois."

The County of Champaign reserves the right to reject any and all bids and to waive all technicalities.

A certified check for each proposal for the sum of five (5%) per cent of the total amount bid (minimum for road work $300.00), (minimum for bridge work $400) must accompany each proposal.

Certain materials in storage for the road work (approximately one-fourth of the total requirements) are to be purchased by the successful bidder from the County of Champaign at the price and terms given in Article 15, Paragraphs 1-10 of the Proposal.

All road proposals shall be submitted for a 9 foot off center Standard Portland Cement Concrete Pavement.

Proposed Work:

Section 37-15d, State Aid Route No. 10, 6.653 miles in length. Probable shipping point, Rantoul, Illinois.

Section 42B-15d, State Aid Route No. 10, 24 foot span Reinforced Concrete Slab. Probable shipping point Mahomet, Illinois.

By order of the County Clerk,
FRED HESS,
County Clerk,
and the Superintendent of Highways,
R. F. FISHER,
Superintendent of Highways.

OFFICIAL PROPOSALS

Bids: August 27.

Highway Work

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Route No. 4, Section No. 20, Manasquan River-Sea Girt, in the County of Monmouth. Estimated 14,876 cu.yds. of excavation, and 39,389 sq.yds. of single line eight inch reinforced concrete pavement.

Bids for the above will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, August 27th, 1923, at 11:00 A.M., Standard Time, and opened and read immediately thereafter.

Route No. 13, Section No. 5, Trenton-Lawrenceville, in the County of Mercer. Estimated 15,000 cu.yds. of excavation; 31,000 sq.yds. of foundation, Type "C," plain concrete eight inches thick; 50,000 sq.yds. of surface, Type "S. A.," sheet asphalt three inches thick; 2,800 sq.yds. of double line eight inch reinforced concrete pavement; and 17,000 sq.yds. of concrete curb.

Bids for the above will be received at the Assembly Chamber, State House, Trenton, New Jersey, on Monday, August 27th, 1923, at 11:15 A.M., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor Broad St. Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and in accordance with the 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Additional Specifications

Bids: Feb. 28, 1924.

Arapuni Electric Power Scheme

SECTION 1—HEADWORKS

Wellington, New Zealand

Additional specifications in connection with the above work are on exhibit for use by prospective tenderers at the New York, Cleveland, Chicago and San Francisco offices of Engineering News-Record and Electrical World.